

Application

01968 - 2014 Roadway Reconstruction/Modernization		
02157 - CSAH 86 from TH 3 to CSAH 47 in Dakota County MN		
Regional Solicitation - Roadways Including Multimodal Elements		
Status:	Submitted	
Submitted Date:	12/01/2014 1:57 PM	

Primary Contact

Name:*	Salutation	Holly First Name	Jo Middle Name	Anderson Last Name
Title:	P.E.S.			
Department:	Dakota County	Dakota County Transportation Dept		
Email:	Holly.Anderso	Holly.Anderson@co.dakota.mn.us		
Address:	14955 Galaxie Avenue			
*	Apple Valley	Minneso State/Provin		5514 Postal Code/Zip
Phone:*	952-891-7090 Phone	1	Ext.	
Fax:				
What Grant Programs are you most interested in?	Regional Solicitation - Roadways Including Multimodal Elements			

Organization Information

Name:

Jurisdictional Agency (if different):			
Organization Type:	County Government		
Organization Website:			
Address:	TRANSPORTATION DEPT		
	14955 GALAXIE AVE		
*	APPLE VALLEY	Minnesota	55124
	City	State/Province	Postal Code/Zip
County:	Dakota		
Phone:*	952-891-7100		
		Ext.	
Fax:			
PeopleSoft Vendor Number	0000002621A15		

Project Information

 Project Name
 CSAH 86 from TH 3 to CSAH 47 in Dakota County MN

 Primary County where the Project is Located
 Dakota

 Jurisdictional Agency (If Different than the Applicant):
 CSAH 86 from TH 3 to CSAH 47 in Dakota County MN

Brief Project Description (Limit 2,800 characters; approximately 400 words)

Include location, road name/functional class, type of improvement, etc.

Project Length (Miles)

3.85

Connection to Local Planning:

Reference the name of the appropriate comprehensive plan, regional/statewide plan, capital improvement program, corridor study document [studies on trunk highway must be approved by MnDOT and the Metropolitan Council], or other official plan or program of the applicant agency [includes Safe Routes to School Plans] that the project is included in and/or a transportation problem/need that the project addresses. List the applicable documents and pages.

Reconstruction of CSAH 86 (280th Street A-Minor Arterial) from TH 3 (Chippendale Ave) to CSAH 47 (Northfield Blvd) in Castle Rock, Waterford & Sciota Townships. This project will address roadway safety concerns and geometric deficiencies by: reducing the number & severity of run off roadway type crashes with the addition of an 8 bituminous shoulder; provide increased safety for pedestrians/bicyclists; and adding turn lanes at intersections to improve roadway operations/safety through the area. This east/west A-Minor Arterial route begins at the western edge of Scott County connecting the growing communities of New Prague, Elko/New Market to the rural township areas of eastern Dakota County. This route is approximately 46 miles in length from TH 169 to TH 52 in Dakota County. The specific improvements proposed as part of this

project fit well with the overall transportation system in the area. The improvements include reconstructing the existing 2-lane roadway, adding 8 bituminous shoulders, flattening out side slopes/ditches, adding turn lanes at major intersections and by-pass lanes at T intersections from TH 3 to CSAH 47 in Dakota County. This project includes intersection modification to address safety. Aligning, consolidating and removing access along the corridor will increase safety along the corridor. Bridge L3182 (buiilt in 1940) will be replaced as part of this project.

CSAH 86 is a cross county route that is used by the freight industry as a parallel northerly route to TH 19 in Rice & Goodhue Counties.

	Dakota County 2030 Transportation Plan
	Chapter 8, Goal 5: Replace Deficient Elements of the System p. 8.1 to 8.7
	Chapter 9, Future Studies: East/West Principal Arteral Assessment and 10-Ton Route System Implementation p. 9-16
	Future Studies - Figure 46
Connection to Local Planning	Dakota County 2014-2018 Capital Improvment Program (online version)
	Future Studies - Figure 2, P. Trans 8
	2014-2018 CIP Map between p. Trans 10-11
	5-Year Summary p. Trans 12-14
	Individual Project Sheet p. Trans 84
	Dakota County Rural Collaborative Comprehensive Plan (i.e. Townships of Castle Rock & Waterford)
	Sciota Township Comprehensive Plan

Project Funding

Are you applying for funds from another source(s) to implement this project?	No
If yes, please identify the source(s)	
Federal Amount	\$5,500,000.00
Match Amount	\$1,375,000.00
Minimum of 20% of project total	
Project Total	\$6,875,000.00
Match Percentage	20.0%

Minimum of 20%

Compute the match percentage by dividing the match amount by the project total

Source of Match Funds	Dakota County
Preferred Program Year	
Select one:	2018

MnDOT State Aid Project Information: Roadway Projects

County, City, or Lead Agency	Dakota County
Functional Class of Road	A-Minor Arterial Connector
Road System	CSAH 86
TH, CSAH, MSAS, CO. RD., TWP. RD., CITY STREET	
Name of Road	280th Street
Example; 1st ST., MAIN AVE	
Zip Code where Majority of Work is Being Performed	55065
(Approximate) Begin Construction Date	04/01/2018
(Approximate) End Construction Date	12/31/2018
LOCATION	
From: (Intersection or Address)	Trunk Highway 3
Do not include legal description; Include name of roadway if majority of facility runs adjacent to a single corridor.	
To: (Intersection or Address)	CSAH 47 (Northfield Blvd)
Type of Work	Grading, aggregate base, bituminous base, bituminous surface, bituminous shoulders & bridge replacement
Examples: grading, aggregate base, bituminous base, bituminous surface, sidewalk, signals, lighting, guardrail, bicycle path, ped ramps, bridge, Park & Ride, etc.)	
Old Bridge/Culvert?	Yes
New Bridge/Culvert?	Yes
Structure is Over/Under (Bridge or culvert name):	N Branch Chub Creek Replace L3182 Conc Box Culvert

Specific Roadway Elements

CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES	Cost
Mobilization (approx. 5% of total cost)	\$340,000.00
Removals (approx. 5% of total cost)	\$340,000.00
Roadway (grading, borrow, etc.)	\$1,700,000.00

Roadway (aggregates and paving)	\$3,400,000.00
Subgrade Correction (muck)	\$0.00
Storm Sewer	\$205,000.00
Ponds	\$0.00
Concrete Items (curb & gutter, sidewalks, median barriers)	\$0.00
Traffic Control	\$35,000.00
Striping	\$50,000.00
Signing	\$35,000.00
Lighting	\$5,000.00
Turf - Erosion & Landscaping	\$240,000.00
Bridge	\$400,000.00
Retaining Walls	\$0.00
Noise Wall	\$0.00
Traffic Signals	\$0.00
Wetland Mitigation	\$0.00
Other Natural and Cultural Resource Protection	\$0.00
RR Crossing	\$0.00
Roadway Contingencies	\$0.00
Other Roadway Elements	\$0.00
Totals	\$6,750,000.00

Specific Bicycle and Pedestrian Elements

CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES	Cost
Path/Trail Construction	\$0.00
Sidewalk Construction	\$0.00
On-Street Bicycle Facility Construction	\$125,000.00
Right-of-Way	\$0.00
Pedestrian Curb Ramps (ADA)	\$0.00
Crossing Aids (e.g., Audible Pedestrian Signals, HAWK)	\$0.00
Pedestrian-scale Lighting	\$0.00
Streetscaping	\$0.00
Wayfinding	\$0.00
Bicycle and Pedestrian Contingencies	\$0.00
Other Bicycle and Pedestrian Elements	\$0.00

Specific Transit and TDM Elements

CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES	Cost
Fixed Guideway Elements	\$0.00
Stations, Stops, and Terminals	\$0.00
Support Facilities	\$0.00
Transit Systems (e.g. communications, signals, controls, fare collection, etc.)	\$0.00
Vehicles	\$0.00
Transit and TDM Contingencies	\$0.00
Other Transit and TDM Elements	\$0.00
Totals	\$0.00

Transit Operating Costs

OPERATING COSTS	Cost
Transit Operating Costs	\$0.00
Totals	\$0.00

Totals

Total Cost	\$6,875,000.00
Construction Cost Total	\$6,875,000.00
Transit Operating Cost Total	\$0.00

Requirements - All Projects

All Projects

1. The project must be consistent with the goals and policies in these adopted regional plans: Thrive MSP 2040 (2014), the 2030 Transportation Policy Plan (amended 2013), and the 2030 Water Resources Management Policy Plan (2005).

Check the box to indicate that the project meets this requirement. Yes

2. Applicants that are not cities or counties in the seven-county metro area with populations over 5,000 must contact the MnDOT Metro State Aid Office prior to submitting their application to determine if a public agency sponsor is required.

Check the box to indicate that the project meets this requirement. Yes

3.Applicants must not submit an application for the same project in more than one funding sub-category.

Check the box to indicate that the project meets this requirement. Yes

4. The requested funding amount must be more than or equal to the minimum award and less than or equal to the maximum award. The cost of preparing a project for funding authorization can be substantial. For that reason, minimum federal amounts apply. Other federal funds may be combined with the requested funds for projects exceeding the maximum award, but the source(s) must be identified in the application. Expansion, reconstruction/modernization, and bridges must be between \$1,000,000 and \$7,000,000. Roadway system management must be between \$250,000 and \$7,000,000.

Check the box to indicate that the project meets this requirement. Yes

5. The project must comply with the Americans with Disabilities Act.

Check the box to indicate that the project meets this requirement. Yes

6. The project must be accessible and open to the general public.

Check the box to indicate that the project meets this requirement. Yes

7. The owner/operator of the facility must operate and maintain the project for the useful life of the improvement.

Check the box to indicate that the project meets this requirement. Yes

8. The project must represent a permanent improvement with independent utility. The term independent utility means the project provides benefits described in the application by itself and does not depend on any construction elements of the project being funded from other sources outside the regional solicitation, excluding the required non-federal match. Projects that include traffic management or transit operating funds as part of a construction project are exempt from this policy.

Check the box to indicate that the project meets this requirement. Yes

9. The project must not be a temporary construction project. A temporary construction project is defined as work that must be replaced within five years and is ineligible for funding. The project must also not be staged construction where the project will be replaced as part of future stages. Staged construction is eligible for funding as long as future stages build on, rather than replace, previous work.

Check the box to indicate that the project meets this requirement. Yes

10. The project applicant must send written notification regarding the proposed projected to all affected communities and other levels and units of government prior to submitting the application.

Check the box to indicate that the project meets this requirement. Yes

Requirements - Roadways Including Multimodal Elements

Expansion and Reconstruction/Modernization Projects Only

1. The project must be designed to meet 10-ton load limit standards.

Check the box to indicate that the project meets this requirement. Yes

2. Federal funds are available for roadway construction and reconstruction on new alignments or within existing right-of-way, including associated construction and excavation, bridges, or installation of traffic signals, signs, utilities, bikeway or walkway components and transit components.

The project must exclude costs for right-of-way, studies, preliminary engineering, design, or construction engineering. Noise barriers, drainage projects, fences, landscaping, etc., are not eligible for funding unless included as part of a larger project, which is otherwise eligible.

Check the box to indicate that the project meets this requirement. Yes

Bridge Projects Only

3. The bridge project must be identified as a Principal Arterial (Non-Freeway facilities only) or A Minor Arterial as shown on the latest TAB approved roadway functional classification map.

Check the box to indicate that the project meets this requirement.

4. Bridges selected in previous Bridge Improvement and Replacement solicitations (1994 2011) are not eligible. A previously selected project is not eligible unless it has been withdrawn or sunset prior to the deadline for proposals in this solicitation.

Check the box to indicate that the project meets this requirement.

5.Projects requiring a grade-separated crossing of a Principal Arterial of freeway design must be limited to the federal share of those project costs identified as local (non-MnDOT) cost responsibility using MnDOTs Cost Participation for Cooperative Construction Projects and Maintenance Responsibilities manual. In the case of a federally funded trunk highway project, the policy guidelines should be read as if the funded trunk highway route is under local jurisdiction.

Check the box to indicate that the project meets this requirement.

6. The bridge must carry vehicular traffic. Bridges can carry traffic from multiple modes. However, bridges that are exclusively for bicycle or pedestrian traffic must apply under one of the Bicycle and Pedestrian Facilities sub-categories. Rail-only bridges are ineligible for funding.

Check the box to indicate that the project meets this requirement.

7. The length of the bridge must equal or exceed 20 feet.

Check the box to indicate that the project meets this requirement.

8. Project limits for bridge projects are limited from abutment to abutment.

Check the box to indicate that the project meets this requirement.

9. The project must exclude costs for studies, preliminary engineering, design, construction engineering, and right-of-way.

Check the box to indicate that the project meets this requirement.

Bridge Replacement Projects Only

10. The bridge must have a sufficiently rating less than 50. Additionally, it must also be classified as structurally deficient or functionally obsolete.

Check the box to indicate that the project meets this requirement.

Bridge Rehabilitiation Projects Only

11. The bridge must have a sufficiently rating less than 80. Additionally, it must also be classified as structurally deficient or functionally obsolete.

Check the box to indicate that the project meets this requirement.

Other Attachments

File Name	Description	File Size
2014-2018CIPmap.pdf	CIP Project Map	472 KB
8632 CONCEPT.pdf	CSAH 86 Concept Layout	459 KB
86TruckCount-3to47.pdf	Truck/Heavy Commercial Count	267 KB
AdoptedCIP.pdf	Adopted2014-2018CIP	1.0 MB
CIPsheet86(3to47).pdf	CIP Project Sheet	41 KB
DC-FundMaintain.pdf	DakCo-FundMaintainLetter	298 KB
DC-Resolution.pdf	DakCoResolutionOfSupport	1.4 MB
DC-TranPlan-FutureStudies.pdf	DakCoTranPlan-FutureStudies	484 KB
DC-TranPlan.pdf	Dakota County Tran Plan 10 Ton	1.7 MB
MnDOT-SafetyPlan86.pdf	MnDOT Dak Co Safety Plan CSAH 86	266 KB
RdwayAreaDef.pdf	Roadway Area Definition	1.3 MB
Reconstruct CSAH 86 from Hwy 3 to CSAH 47.pdf	MnDOT Letter Support	38 KB
RegionalEcon.pdf	Regional Economy	418 KB
RoadAge.pdf	DakCoTranPlan-RoadAge	398 KB
Roadway Reconstruction.pdf	CSAH 86 Aerial Project Limits	221 KB
SocioEcon.pdf	Socio Economic	420 KB
TransitCon.pdf	Transit Connections	448 KB

Reliever: Freeway Facility or

Facility being relieved

Number of hours per day volume exceeds capacity (based on the Congestion Report) 0

Reliever: Non-Freeway Facility or

Facility being relieved

Number of hours per day volume exceeds capacity (based on the table below) 0

Non-Freeway Facility Volume/Capacity Table

Hour

NB/EB Volume

SB/WB Volume

Capacity Volume exceeds capacity

12:00am - 1:00am

1:00am - 2:00am
2:00am - 3:00am
3:00am - 4:00am
4:00am - 5:00am
5:00am - 6:00am
6:00am - 7:00am
7:00am - 8:00am
8:00am - 9:00am
9:00am - 10:00am
10:00am - 11:00am
11:00am - 12:00pm
12:00pm - 1:00pm
1:00pm - 2:00pm
2:00pm - 3:00pm
3:00pm - 4:00pm
4:00pm - 5:00pm
5:00pm - 6:00pm
6:00pm - 7:00pm
7:00pm - 8:00pm
8:00pm - 9:00pm
9:00pm - 10:00pm
10:00pm - 11:00pm
11:00pm - 12:00am

Expander/Connector/Augmentor/Non-Freeway Principal Arterial

Select one:	Connector
Area	32.209
Project Length	3.89
Average Distance	8.2799
Upload Map	CH86-E-RAD.pdf

Measure B: Current Heavy Commercial Traffic

Location

Along CSAH 86, approx. 2 miles east of TH 3 in Castle Rock & Waterford Twps

Measure C: Project Location Relative to Jobs, Manufacturing, and Education

Select all that apply	
Direct connection to or within a mile of a Job Concentration	
Direct connection to or within a mile of a Manufacturing/Distribution Location	
Direct connection to or within a mile of an Educational Institution	
Project provides a direct connection to or within a mile of an existing local activity center identified in an adopted county or city plan	Yes
County or City Plan Reference (Limit 700 characters; approximately 100 words)	Dakota County Rural Collaborative Comp Plan- Land Use Map (p.33) identifies commercial area with direct connection to the CSAH 86 project. This area is located on the north side of CSAH 86 at the intersection of TH 3. This identified area is made up of agri-business or service industries. Refer to attached Dakota County GIS map that shows locations for Prairie Creek Community School and other commercial establishments in the area of the project.
Upload Map	CH86-RE-etc.pdf

Measure A: Current Daily Person Throughput

Location	CSAH 86 - 1/2 mile east of TH 3
Current AADT Volume	2350.0
Existing Transit Routes on the Project	N/A

Response: Current Daily Person Throughput

Average Annual Daily Transit Ridership	0
Current Daily Person Throughput	3055.0

Measure B: 2030 Forecast ADT

Use Metropolitan Council model to determine forecast (2030) ADT volume

METC Staff - Forecast (2030) ADT volume

OR	
Approved county or city travel demand model to determine forecast (2030) ADT volume	Yes
Forecast (2030) ADT volume	4800.0

Measure A: Project Location and Impact to Disadvantaged Populations

Select one:

Project located in Racially Concentrated Area of Poverty

Project located in Concentrated Area of Poverty

Projects census tracts are above the regional average for population in poverty or population of color

Project located in a census tract that is below the regional average for population in poverty or populations of color or includes children, people with disabilities, or the elderly.

Response (Limit 1,400 characters; approximately 200 words)

Upload Map

Yes

The CSAH 86 project is located in southern townships of Dakota County. The Draft 2040 TPP (p.133) references that rural areas will invest in highways and streets that are flexible for a variety of uses and connect them with Rural Centers and the urban and suburban areas with the Urban Service Area. The emphasis will be on strengthening safe connections and less on largescale transportation capacity. CSAH 86 connects to major north/south roadways (CH 23, CH 47, TH 3, TH 56, TH 52) that connect to the Urban Service Area. This project is in an area of that includes children, people with disabilities and the elderly; although not in concentrations recognized by Met Council. The CSAH 86 project will provide an 8 paved shoulder for ped/bike/wheelchair use along with 10-ton roadway designed for motorized traffic. Safety will be improved with the addition of turn lanes, pavement markings, rumble stripes, intersection lighting and removal of hazards in roadway clear zone.

CH86-E-SEC.pdf

City/Township	Segment Length (Miles)	
Castle Rock Township	1.924	
Waterford Township	0.924	
Sciota Township	1.0	
	4	
Total Project Length		
Total Project Length	3.85	

Affordable Housing Scoring - To Be Completed By Metropolitan Council Staff

City/Township	Segment Length (Miles)	Total Length (Miles)	Score		Segment Length/Total Length	Housing Score Multiplied by Segment percent	
		0		0	0	0	

Affordable Housing Scoring - To Be Completed By Metropolitan Council Staff

Total Project Length (Miles)	3.848
Total Housing Score	0

Measure A: Year of Roadway Construction

Year of Original Roadway Construction or Most Recent Reconstruction	Roadway Segment Length (Miles)	Calculation	Calculation 2		
1952.0	3.85	7515.2	1952.0		
	4	7515	1952		
Average Construction Year Weighted Year 1952.0					
Total Segment Length (Miles)					
Total Segment Length	Total Segment Length 3.85				

Measure B: Geometric, Structural, or Infrastructure Improvements

	Improve roadway structural capacity to 10 Ton limit.
	Widen existing shoulders to 8 bituminous shoulders
	to improve safety for pedestrian/bicyclist/disabled.
	Flatten out side slopes/ditches strategic tree
	removal, fixed object modifications and roadside
	hardware improvements.
	Removal/consolidation/aligning access along the
	CSAH 86 roadway. Add turn lanes at major
	intersections & bypass lanes at T intersections.
	Lighting at major intersections. Improvement of
Response (Limit 1,400 characters; approximately 200 words)	highway signage and pavement markings. Improve
	vertical alignment to increase sight distance for
	motorized/non-motorized roadway users. Replace
	existing metal culverts (1952), guardrail, and
	signage with up to date materials. Include
	recommendations from Dakota County Roadway
	Safety Plan (MnDOT approved) p.10, segment ID
	86.02 Center Line Rumble Strip & Rumble Stripe
	reduce injury/roadway departure crashes. Bridge
	L3182 (built in 1940) past it's useful life will be
	replaced as part of this project.

Measure A: Cost Effectiveness of Vehicle Delay Reduction

Total Project Cost from Cost Sheet	\$6,875,000.00
Total Peak Hour Vehicle Delay Without The Project	0
Total Peak Hour Vehicle Delay With The Project	0
Total Peak Hour Vehicle Delay Reduced by Project	0
Cost Effectiveness	\$0.00
Synchro or HCM Reports	Synchro-HCM-Report.pdf

Measure B: Cost Effectiveness of Emissions Reduction

Total Project Cost from Cost Sheet	\$6,875,000.00
Total Peak Hour Kilograms Reduced by Project	0
Cost Effectiveness	\$0.00
Synchro or HCM Reports	Synchro-HCM-Report.pdf

Measure A: Benefit/Cost of Crash Reduction **Project Benefit/Cost Ratio** 0.35 Worksheet Attachment 86(3to47)BeneCostWkst.pdf **Measure A: Transit Connections Existing Routes Directly Connected to the Project** N/A Planned Transitways directly connected to the project (alignment N/A and mode determined and identified in the 2030 TPP) **Upload Map** CH86-E-TC.pdf Response Met Council Staff Data Entry Only **Route Ridership** 0 **Transitway Ridership** 0

Measure B: Bicycle and Pedestrian Connections

Response (Limit 1,400 characters; approximately 200 words)

Townships in Dakota County depend upon the County Highway system to provide for bike/ped connections along paved roadway shoulders. The CSAH 86 project will replace the existing narrow shoulders with new construction of 8 bituminous shoulders to connect ped/bike/disabled with the village center and service industries along the corridor. (Refer to attachments 1C Regional Economy). The 8 bituminous shoulders will increase safety, improve the user experience with wider shoulders and provide increased security through roadway vertical grade improvements and ditch slope flattening. Lighting will be installed at major intersections. New Pavement markings & rumble strips will provide a perceived separation between motorized/non-motorized users. This project will provide east/west connectivity between convenience/gas store, beauty salon, repair shop, storage area, Co-op elevator, Prairie Creek School, post office, church & restaurant.

Measure C: Multimodal Facilities

	The CSAH 86 project is located in southern townships of Dakota County. The Draft 2040 TPP (p.133) references that rural areas will invest in highways and streets that are flexible for a variety of uses and connect them with Rural Centers and the urban and suburban areas with the Urban Service Area. The emphasis will be on strengthening safe connections and less on large- scale transportation capacity. CSAH 86 connects to major north/south roadways (CH 23, CH 47, TH 3,
Response (Limit 1,400 characters; approximately 200 words)	TH 56, TH 52) that connect to the Urban Service Area. This project is in an area of that includes children, people with disabilities and the elderly; although not in concentrations recognized by Met Council. The CSAH 86 project will provide an 8 paved shoulder for ped/bike/wheelchair use along with 10-ton roadway designed for motorized traffic. Safety will be improved with the addition of turn lanes, pavement markings, rumble stripes, intersection lighting and removal of hazards in roadway clear zone.

Transit Projects Not Requiring Construction

If the applicant is completing a transit or TDM application, only Park-and-Ride and other construction projects require completion of the Risk Assessment below. Check the box below if the project does not require the Risk Assessment fields, and do not complete the remainder of the form. These projects will receive full points for the Risk Assessment.

Check Here if Your Transit Project Does Not Require Construction

Measure A: Risk Assessment

1)Project Scope (5 Percent of Points)													
Meetings or contacts with stakeholders have occurred													
100%													
Stakeholders have been identified													
40%													
Stakeholders have not been identified or contacted													

0%	
2)Layout or Preliminary Plan (5 Percent of Points)	
Layout or Preliminary Plan completed	
100%	
Layout or Preliminary Plan started	Yes
50%	
Layout or Preliminary Plan has not been started	
0%	
Anticipated date or date of completion	08/31/2016
3)Environmental Documentation (10 Percent of Points)	
EIS	
EA	
PM	Yes
Document Status:	
Document approved (include copy of signed cover sheet)	
	100%
Document submitted to State Aid for review	75%
Document in progress; environmental impacts identified	
50%	
50% Document not started	Yes
	Yes
Document not started	Yes 12/01/2016
Document not started	12/01/2016
Document not started 0% Anticipated date or date of completion/approval	12/01/2016
Document not started 0% Anticipated date or date of completion/approval 4)Review of Section 106 Historic Resources (15 Percent of No known potential for archaeological resources, no historic resources known to be eligible for/listed on the National Register of Historic Places located in the project area, and project is not	12/01/2016
Document not started 0% Anticipated date or date of completion/approval 4)Review of Section 106 Historic Resources (15 Percent of No known potential for archaeological resources, no historic resources known to be eligible for/listed on the National Register of Historic Places located in the project area, and project is not located on an identified historic bridge	12/01/2016
Document not started 0% Anticipated date or date of completion/approval 4)Review of Section 106 Historic Resources (15 Percent of No known potential for archaeological resources, no historic resources known to be eligible for/listed on the National Register of Historic Places located in the project area, and project is not located on an identified historic bridge 100% Historic/archeological review under way; determination of no	12/01/2016
Document not started 0% Anticipated date or date of completion/approval 4)Review of Section 106 Historic Resources (15 Percent of No known potential for archaeological resources, no historic resources known to be eligible for/listed on the National Register of Historic Places located in the project area, and project is not located on an identified historic bridge 100% Historic/archeological review under way; determination of no historic properties affected or no adverse effect anticipated	12/01/2016
Document not started 0% Anticipated date or date of completion/approval 4)Review of Section 106 Historic Resources (15 Percent of No known potential for archaeological resources, no historic resources known to be eligible for/listed on the National Register of Historic Places located in the project area, and project is not located on an identified historic bridge 100% Historic/archeological review under way; determination of no historic properties affected or no adverse effect anticipated 80% Historic/archaeological review under way; determination of	12/01/2016
Document not started 0% Anticipated date or date of completion/approval 4)Review of Section 106 Historic Resources (15 Percent of No known potential for archaeological resources, no historic resources known to be eligible for/listed on the National Register of Historic Places located in the project area, and project is not located on an identified historic bridge 100% Historic/archeological review under way; determination of no historic properties affected or no adverse effect anticipated 80% Historic/archaeological review under way; determination of adverse effect anticipated	12/01/2016
Document not started 0% Anticipated date or date of completion/approval 4)Review of Section 106 Historic Resources (15 Percent of No known potential for archaeological resources, no historic resources known to be eligible for/listed on the National Register of Historic Places located in the project area, and project is not located on an identified historic bridge 100% Historic/archeological review under way; determination of no historic properties affected or no adverse effect anticipated 80% Historic/archaeological review under way; determination of adverse effect anticipated 40%	12/01/2016 Points)

Project is located on an identified historic bridge

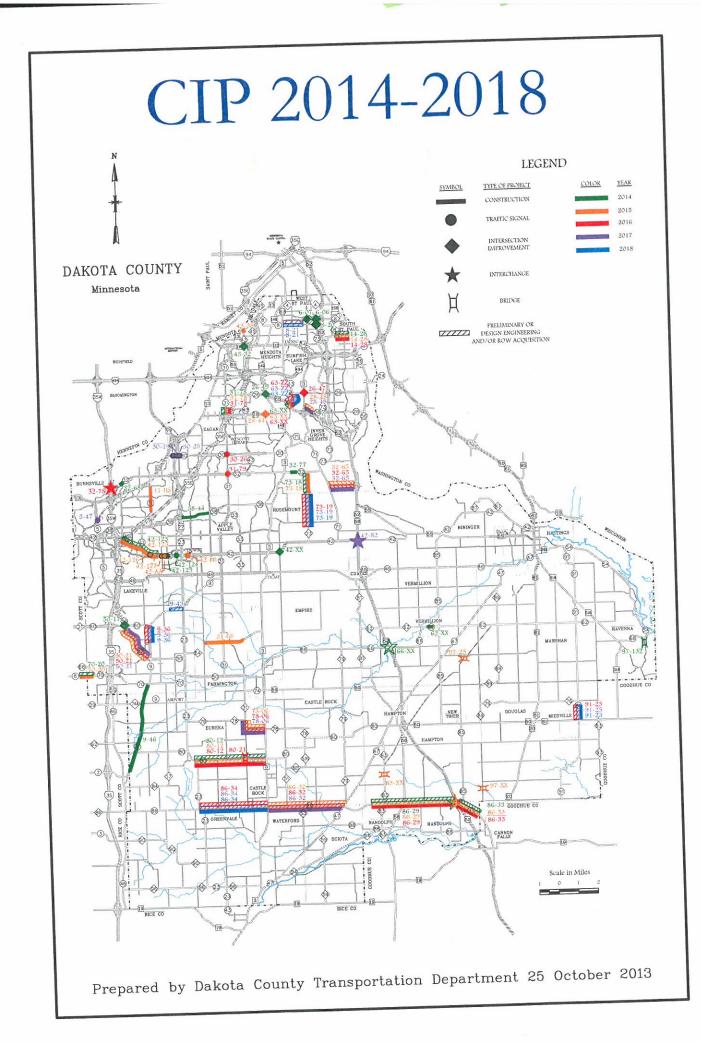
5)Review of Section 4f/6f Resources (15 Percent of Points)

(4f is publicly owned parks, recreation areas, historic sites, wildlife or waterfowl refuges; 6f is outdoor recreation lands where Land and Water Conservation Funds were used for planning, acquisition, or development of the property)

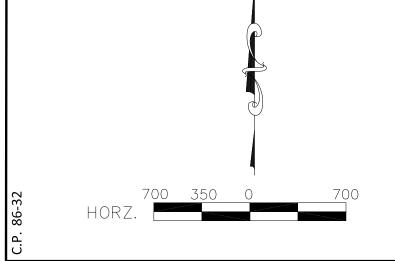
No Section 4f/6f resources located in the project area

100%	
Project is an independent bikeway/walkway project covered by the bikeway/walkway Negative Declaration statement; letter of support received	
100%	
Section 4f resources present within the project area, but no known adverse effects	
80%	
Adverse effects (land conversion) to Section 4f/6f resources likely	
30%	
Unknown impacts to Section 4f/6f resources in the project area	Yes
0%	
6)Right-of-Way (15 Percent of Points)	
Right-of-way or easements not required	
100%	
Right-of-way or easements has/have been acquired	
100%	
Right-of-way or easements required, offers made	
75%	
Right-of-way or easements required, appraisals made	
50%	
Right-of-way or easements required, parcels identified	
25%	
Right-of-way or easements required, parcels not identified	Yes
0%	
Right-of-way or easements identification has not been completed	
0%	
Anticipated date or date of acquisition	12/14/2017
7)Railroad Involvement (25 Percent of Points)	
No railroad involvement on project	Yes
100%	
Railroad Right-of-Way Agreement is executed (include signature page)	100%

Railroad Right-of-Way Agreement required; Agreement has been initiated	
60%	
Railroad Right-of-Way Agreement required; negotiations have begun	
40%	
Railroad Right-of-Way Agreement required; negotiations not begun	
0%	
Anticipated date or date of executed Agreement	
8)Construction Documents/Plan (10 Percent of Points)	
Construction plans completed/approved (include signed title sheet)	
100%	
Construction plans submitted to State Aid for review	
75%	
Construction plans in progress; at least 30% completion	
50%	
Construction plans have not been started	Yes
0%	
Anticipated date or date of completion	01/15/2017
9)Letting	
Anticipated Letting Date	01/15/2017









C.S.A.H. 86 (280TH ST. E.) STATE HIGHWAY 3 TO C.S.A.H. 47 CONCEPT LAYOUT

DAKOTA COUNTY TRANSPORTATION TRAFFIC UNIT TRAFFIC COUNT DATA

: CSAH 86 : From TH 3 to CSAH 47 : Classification Count

Road Location Notes

24 Hour Classification

Site: Classification Count 10/27/2014 Monday

Combined Channels

	%	Total	10:00 AM	9:00 AM	8:00 AM	7:00 AM	6:00 AM	5:00 AM	4:00 AM	3:00 AM	2:00 AM	1:00 AM	12:00 AM	10/28/2014	11:00 PM	10:00 PM	9:00 PM	8:00 PM	7:00 PM	6:00 PM	5:00 PM	4:00 PM	3:00 PM	2:00 PM	1:00 PM	12:00 PM	11:00 AM	Interval Start
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	73.2	1528	82	68	79	150	93	65	21	4	ω	S	4		8	7	29	41	48	104	142	156	104	100	69	66	08	Passenge r Vehicles
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2014 - 2018 Transportation Capital Improvement Program

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PROJECT LOCATION					Markings							Inver Grove Heichte	Farmination	Inver Grove Heinhte	Mendota Heights	Lakeville	Eureka/Castle Rock Twp	Eureka/Castle Rock Twos	Hampton Township	Randolph Township		Townships		20	2015 County Funds Subtotal		West St Paul Burnsville	South St Paul	Faran	Eagan	Eagan	B'ville, AV, Rsmt	B'ville/AV	Burnsville	Apple Valley	Apple Valley	Inver Grove Helehts	Lakeville	Inver Grove Heights	CR, Ran, Sciota, Hampton	CR,Waterford,Sciota	Vermillion Twp	Hampton/Douglas Twp	2015 CSAH Subtotal	1					2013 COUNTY FUNDS & CSAH Subtotal	2015 Total	
PROJECT DESCRIPTION				Spot Locations	Durable Pavement							ROW Acquisition		Design	1: Construction	Design	Design	ROW Acquisition	1.5 mile N of CSAH 86	· Construction				memory and the second stratistics to keele Cedar Grove Access Improvements		ROW Acquisition	Construction (4-lane to 3-lane)	ROW Acquisition	ROW Acquisition	Construction	Signal Rev/Fiber Interconnect	Signal Management System	Construction	Signal Reconstruction	Signal Reconstruction	Signal Reconstruction	ROW Acquisition	Bike/Ped Trail - Construct	Construction	ROW Acquisition	Design	Construct Bridge 19J56	Construct Bridge				Conditionance					
SEGMENT (FROM/TO)		ų	Highway Surface - Gravel	Highway Surface - Gravel	ITATTIC CONTROL DEVICES	Transit Infrastructure	Storm Course Survey Barrier	storm sewer system Repair	Jurisdictional Classification	Safety and Management Projects	ROW Preservation & Management	TH 3 to 0.62 mile east	Roundabout & 195th St Rdwy Imp	117th St: CSAH 71 to TH 52	Storm sewer improvements at TH 1: Construction	South of CSAH 60 to CSAH 9	235th/Denmark to TH 3	C2AH 23 T0 1H 3	Keplace Bridge 1315	At 1H 52 Interchange & CSAH 86 to Construction	Township Bood Starts on al Service	Attorney Reimburgenet	Introdeservesses introdeservent	meranehas unicitial transfer to Kegi	Iway (CSAH)	At CSAH 73 - Roundabout	Commonwealth Dr to Parkview Lane Construction (4-lane to 3-lane)	14th Ave to 3rd Ave	CSAH 28 to Central Parkway	At Elrene, At Mike Collins	Slater Rd to CSAH 31	W. CO. line to Chippendale Ave Nirollat Ava to Fim Dx (N 2142)	At Southcross Drive	At Gardenview Drive			8			Last UI COAR 4/ TO IH 52 TH 3 to vioct of Ceniu 47	enlace Bridge 13334 4/	DNIG	Avenue of tage L3285 Inga Ave	State Aid Hishway	Highway Surface Binnin			CIP Reimbursement to Operations				
ROJECT ROAD/ NO. BUILDING	2015 Section	2015 County Funds Dollars													38 LK 43		12 CEAL OD		CEAU OF	00 11400					2015 County State Aid Highway (CSAH)	0 CSAH 8	CSAH 11	CSAH 14	CSAH 31	CEAH 28	CSAH 32	CSAH 42	CSAH 42	CSAH 42	CSAH 42	CSAH 42	CCALL TO	CB 73	CSAH 86	CSAH R6	Townshin	Townshin		2015 County Fund & County State Aid Hishway	Ĩ	. Í	E	Ũ				
PAGE PROJECT # NO.	201		18	19	20	21	22	23	46	25					37 50-21						45	46	47		2015 Cc		54 11-26			56-32 23 60				73 42-127	74 42-133	71 C2 C1					86 97-25			2015 Col.		91	92	94				

2014 - 2018 Transportation Capital Improvement Program

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COST		000 000	000,055	350.000	000 002	60,000	300,000	600,000	883,000	550,000	110,000	1,000,000	2,323,550	612,150	5,356,000	300,000	275,000	20,900	226,724	14,067,324		,	•	•			,		'		•	E.					200,000	3,000,000	2,250,000		25,000	1,731,342	7,206,342	
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COST				Markines							West St Paul	Inver Grove Heights	Lakeville	Eureka/Castle Rock Twp	Eureka/Castle Rock Twps	Eureka/Castle Rock Twps		Townships		2016 County Funds Subtotal		West St Paul	Lakeville	Eureka, CR, Green, Water	Inver Grove Heights	Eagan	Eagan	Eagan	Burnsville	Inver Grove Heights	Inver Grove Heights	Rosemount	CR,Waterford,Sciota	Miesville/Douglas Township	2016 CSAH Subtotal		South St Paul	CR, Ran, Sciota, Hampton					2016 County Funds & CSAH Subtotal	
			Cont Locations	Durable Pavement							Construction (for turnlane)	ROW Acquisition	ROW Acquisition	ROW Acquisition	Construction	Over Un-named Creek						Construction	Design	Design	Construction	Construction	Signal Reconstruction	Signal Reconstruction	Construction	Construction	Design	Design	ROW Acquisition	Design			Construction	Construction		CSAH Maintenance				
			Highway surface - Gravel	Traffic Control Devices	right toil	Transit Infrastructure	Storm Sewer System Repair	Jurisdictional Classification	Safety and Management Projects	ROW Preservation & Management	At CSAH 73 (Oakdale Ave)	117th St: CSAH 71 to TH 52	South of CSAH 60 to CSAH 9	235th/Denmark to TH 3	CSAH 23 to TH 3	Replace Bridge L-3164	Future Studies/Professional Services	Township Road Distribution	Attorney Reimbursement	-	way (CSAH)	At CSAH 73 - Roundabout	Indiana Ave/194th St to CSAH 60	CSAH 23 to TH 3	At TH 3 - Roundabout	CSAH 28 to Central Parkway	At CSAH 31	At CSAH 32 (Cliff Rd)	At I35W Interchange	At TH 55 Intersection Area	N of CSAH 28 to N of CSAH 26	Bonaire Path to Rsmt/IGH line	TH 3 to west of CSAH 47	TH 61 (240th St) to 3/4 mile north		2016 County Fund & County State Aid Highway	14th Ave to 3rd Ave	East of CSAH 47 to TH 52	Highway Surface - Bituminous	Highway Surface - Bituminous	Intersection Control	CIP Reimbursement to Operations		
BUILDING	ction	2016 County Funds Dollars			. 4						CR 6 A	new 32 1	0		~	CSAH 80 F	-				2016 County State Aid Highway (CSAH)	CSAH 8	CSAH 9 I	CSAH 86 (CSAH 26	CSAH 31 (CSAH 32	CSAH 63	23			CSAH 91		nty Fund & Count		CSAH 86						
NO.	2016 Section	2016 Count									90-9	32-65	50-21	78-06	80-12	80-21					2016 Coun	8-20	9-36	86-34	26-47	31-76	30-26	31-79	32-78	63-25	63-22	73-19	86-32	91-25		2016 Cour		86-29						
104 H			1	10		21	12	23	24	25	26	31	37	39	40	41	44	45	46			49	51	53	56	58	61	63	65	78	79	82	A	85			55	83	06	91	92	94		

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2014 - 2018 Transportation Capital Improvement Program

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LEAD	AGENCY				of choice	Dakota Co	Dakota Co	City		Dakota/Citv	Dakota Co	Dakota Co	Dakota Co	IGH	Dakota Co	Dakota Co	Dakota County	Dakota Co	Dakota Co	Dakota Co	Dakota Co				Dakota Co	Dakota Co	Dakota Co	MnDOT	Dakota Co	Dakota County	Dakota Co	Dakota Co			akota Co	Dakota Co	Dakota Co	Dakota Co	Dakota Co	Dakota Co	Dakota Co		
TOTAL LIFE	PROJECT COST	Contraction of the			2 RUD OOD Davies Co	250,000						5,000,000	5,000,000 1	1,656,000 1	5,800,000 1	12,500,000 1		2.469.300		104,500	1,135,365									5,091,700 E		2,966,600 C									19,691,538 0		
COUNTY	COST				700.000	50.000	350,000	700,000	60,000	300,000	600,000	883,000	550,000	600,000	4,000,000	9,375,000	5,782,570	1,734,750	275,000	20,900	235,793	26,217,013					•	,							149,700	3,000,000	2,250,000		25,000	2000,000	12.207.983		38,424,996
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PROJECT LOCATION						Markines	0						Inver Grove Heights	Inver Grove Heights	Rosemount	Lakeville	Eureka/Castle Rock Twp		Townships		2017 County Funds Subtotal			Burnsville	Lakeville	Eureka, CR, Green, Water	Eagan	Eagan	Inver Grove Heights	Rosemount	Miesville/Douglas Township	2017 CSAH Subtotal		West St Paul	CR,Waterford,Sciota						2017 County Funds & CSAH Subtotal	2017 Total	
PROJECT DESCRIPTION					Spot Locations	ent									(Bridges)		Construction		T		2			al Reconstruct				tion			ROW Acquisition				Construction		CSAH Maintenance				77		
SEGMENT (FROM/TO)				Highway Surface - Gravel	Highway Surface - Gravel Spo	Traffic Control Devices Dur		Fransit Infrastructure	Storm Sewer System Repair	lurisdictional Classification	Safety and Management Projects	ROW Preservation & Management		~		6 H		Future Studies/Professional Services	Township Road Distribution	Attorney Reimbursement		2	Declamation	03 11230	חם שאכה הו זכ וה						TH 61 (240th St) to 3/4 mile north ROV		1 Highway	COAH 63 (Delaware) to Humboldt Av Design					righway - kepiacement CID Beimbursement to Constitute	insement to Operations			
			Dollars	Highway S	Highway S	Traffic Con	Bike Trail	Transit Inf.	Storm Sew	Jurisdictio	Safety and	ROW Pres	TH 3 to 0.t			_		Future Stu	Township	Attorney R			dHigh										Count			in the second se	Intercention Control	nitel sectio	CID Boimbu				
F ROAD/ BUILDING	and the second	ection	2017 County Funds Dollars										CR 28	new 32	CSAH 42	CSAH 50	new 78						CSAH 5	CUMPS	LSAH BE				C0 110 10	CL 13	CSAH 91	o purplies	LCAN 9		100 11401								
PROJECT NO.	a line and	2017 Section	2017 Cout										28-48	32-65	42-82	50-21	78-06						2017 Coun	9-36	86.34	30.10	50-06	11.63	73-10	61-67	67-16	7017 Com	8-21	17.0	70-00								
PAGE #	through the			17	18	19	20	21	22	23	24	1	29	31	55	31	66	44	45	46			48	15	5	9	69	79	63	30	6			4	5	6	66	6	94				

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\$9,323,500				\$6,875,000	\$2,040,500	\$408,000		Total
								Other
\$408,000						\$408,000		Consulting Services
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\$6,875,000		<u></u>		\$6,875,000			L	New Construction
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Project	2019	2019	2018	2017	2016	2015	Expenses	Expenditures
Total	Beyond						Prior to 2015	Project
\$9,323,500				\$6,875,000	\$2,040,500	\$408,000		Total
								Other
\$6,526,450				\$4,812,500	\$1,428,350	\$285,600	I	State/Metro
							I	Federal
\$2,797,050				\$2,062,500	\$612,150	\$122,400	I	Property Tax
Project	2019	2019	2018	2017	2016	2015	Revenues	
Total	Beyond						Prior to 2015	Project Revenues
		n ty Revenues: 6,405 State Aid.	IV. Effect on County Revenues: Increase of \$6,526,405 State Aid					
				vide for the	wements and pro	ıs, make safety impri	6 roadway operation	II. Purpose and Justification: This project will improve CSAH 86 roadway operations, make safety improvements and provide for the increased traffic levels.
	ntenance.	Additional shoulder and turn lane maintenance	Additional should					
	ance Costs:	III. Impact on Operating and Maintenance Costs	III. Impact on Opt					
		High	Priority:					
on	Replacement: - Roadway Reconstruction	Replacement: - Ro	Project Type:					2017 - Construction
			Useful Life:					2016 - Right of Way Acquisition
			Center No:					2015 - Design
	Design/ROW Acquisition/Construction	Design/ROW Acqu	Project Descr:				s.	Waterford and Sciota Townships.
	ota	CR,Waterford,Sciota	Project Location:	le Rock,	ıfield Blvd) in Cast	st of CSAH 47 (North	th St) from TH 3to we	Reconstruction of CSAH 86 (280th St) from TH 3to west of CSAH 47 (Northfield Blvd) in Castle Rock,
		in an sport action	pepartinent.				cement	REPLACEMENT: Roadway Replacement
		Transportation	Dopperturbant.					Description and Location:

Physical Development Division

Dakota County Western Service Center 14955 Galaxie Avenue Apple Valley, MN 55124-8579

> 952.891.7000 Fax 952.891.7031 www.dakotacounty.us

Environmental Resources Land Conservation Groundwater Protection Surface Water Waste Regulation Environmental Initiatives

Office of Planning

Operations Management Facilities Management Fleet Management Parks

> Transportation Highways Surveyor's Office Transit Office

November 24, 2014

Elaine Koutsoukos, Transportation Coordinator Transportation Advisory Board Metropolitan Council 390 North Robert Street St. Paul, MN 55101

RE: Federal STP Letter of Funding and Maintenance for CSAH 86 *Roadway Reconstruction/Modernization Project*

Dear Ms. Koutsoukos:

The County Board of Commissioners has committed to contribute funds toward the construction of the proposed CSAH 86 (280th Street) construction project.

Dakota County is the agency with jurisdiction over the CSAH 86 roadway and is submitting the project for federal funds. Dakota County commits to operate and maintain CSAH 86 for its useful life and not change the use of any right-of-way acquired without prior approval from the Minnesota Department of Transportation and the Federal Highway Administration.

We will be happy to answer any questions you may have regarding this project.

Sincerely,

Mark J. Krebsbach, P.E. Transportation Director/County Engineer

DAKOTA COUNTY PHYSICAL DEVELOPMENT COMMITTEE

Approval Of Grant Application Submittals For Transportation Advisory Board 2014 Federal Funding Solicitation Process

Meeting Date:	11/18/2014
Item Type:	Regular-Action
Division:	Physical Development
Department:	Physical Development Administration
Contact:	Stwora, Erin
Contact Phone:	(952) 891-7153
Prepared by:	Mertens, John

Fiscal/FTE Impact:			
None	🛛 Other		
Current budget	Amendment requested		
New FTE(s) requested			
Board Goal: Thriving People			

PURPOSE/ACTION REQUESTED

Approve projects to be submitted to the Transportation Advisory Board (TAB) for Federal Funding through Moving Ahead for Progress in the 21st Century Act (MAP-21).

SUMMARY

The TAB is requesting project submittals for MAP-21 funding through the Regional Solicitation process. MAP-21 funding provides up to 80 percent of the project construction cost. Agencies applying for funding must commit to providing local funds to match the federal funds and maintaining the constructed facilities for their useful life. Projects are being considered for federal fiscal years 2017, 2018 and 2019. Project submittals are due December 1, 2014.

This is the first Regional Solicitation since the adoption of Thrive MSP 2040. The solicitation and the criteria by which the applications will be scored have been modified by the TAB to more closely align with Thrive MSP 2040. In addition, the solicitation has been restructured so that projects will now be submitted and evaluated based on mode (Roadways, Bicycle and Pedestrian Facilities, and Transit) instead of federal funding categories.

Staff is proposing to submit fifteen applications through this process (Attachments A, C and D). This includes eleven Roadway projects and four Bicycle and Pedestrian Facilities projects. Staff will prepare these applications in partnership with affected cities and the Minnesota Department of Transportation (Mn/DOT). All proposed projects are consistent with the adopted Dakota County Comprehensive Plan. Project numbers 2 and 7 are not in the current 2014-2018 Capital Improvement Program (CIP), but they are included in the proposed 2015-2019 CIP. Project numbers 10, 11, 12, 13 and 14 are not in the current CIP or the proposed 2015-2019 CIP. Should the County be awarded funding for these projects, they will be included in the proposed 2016-2020 CIP for the Board's consideration.

Dakota County works with communities to submit projects that share common goals. The eight projects listed in Attachment B (County Supported 2014 Regional Solicitation Applications) and shown in Attachment E will be submitted by our partners. These applications include a Transit project to be submitted by the Minnesota Valley Transit Authority (MVTA) and seven Bicycle and Pedestrian Facilities projects to be submitted by cities. Dakota County will provide grant writing assistance and assume the 20% local match requirement for greenway projects. For non-greenway projects, Dakota County will provide matching funds consistent with the Dakota County transportation cost share policy.

RECOMMENDATION

Staff recommends submittal of fifteen project applications to the TAB for federal funding through the MAP-21 Regional Solicitation, and support for eight applications to be submitted by cities and MVTA.

EXPLANATION OF FISCAL/FTE IMPACTS

The applications for projects within cities will require a letter from the city indicating support for the project and a commitment to pay their share of the matching funds. Local match is at least 20% and will be provided out of the Transportation or Parks CIP consistent with County cost participation policies.

Previous Board Action(s):

Supporting Documents:

Attachment A - County-Lead 2014 Regional Solicitation Applications

Attachment B - City-Lead 2014 Regional Solicitation Applications

Attachment C - Location Map: Roadway Applications

Attachment D - Location Map: Trails and Pedestrian Facilities

Attachment E - Location Map: County Supported 2014 Applications

RESOLUTION

WHEREAS, the Transportation Advisory Board (TAB) is requesting project submittals for federal funding under the Moving Ahead for Progress in the 21st Century Act (MAP-21); and

WHEREAS, these federal programs fund up to 80 percent of project construction costs; and

WHEREAS, federal funding of projects reduces the burden local taxpayers for regional improvements; and

WHEREAS, non-federal funds must be at least 20 percent of the project costs; and

WHEREAS, project submittals are due on December 1, 2014; and

WHEREAS, all projects proposed are consistent with the adopted Dakota County Comprehensive Plan.

NOW, THEREFORE, BE IT RESOLVED, That the Dakota County Board of Commissioners hereby approves the following County lead projects for submittal to the TAB for federal funding:

- 1. County State Aid Highway (CSAH) 9 (Dodd Boulevard) from Hayes Avenue to CSAH 23 (Cedar Avenue) in Lakeville
- 2. CSAH 26 (Lone Oak Road) at its intersection with CSAH 43 (Lexington Avenue) in Eagan
- 3. CSAH 26 (70th Street) at its intersection with Trunk Highway (TH) 3 in Inver Grove Heights
- 4. CSAH 28/63 (Yankee Doodle Road/Argenta Trail) from south of TH 55 to south of CSAH 26 (70th Street)
- 5. CSAH 31 (Pilot Knob Road) from I-35E to north of Central Parkway in Eagan
- 6. CSAH 42 (145th Street East) at its interchange with TH 52 in Rosemount
- 7. CSAH 23 (Foliage Avenue) from CSAH 86 (280th Street) to CR 96 (320th Street) in Greenvale Township
- 8. CSAH 86 (280th Street) from CSAH 23 (Galaxie Avenue) to TH 3 in Eureka, Greenvale, Castle Rock, and Waterford Townships
- 9. CSAH 86 (280th Street) from TH 3 to CSAH 47(Northfield Blvd) in Castle Rock, Waterford, and Sciota Townships
- 10. CSAH 31 and CSAH 46 Advanced Traffic Management System for 16 Signals
- 11. CSAH 26, CSAH 28, CSAH 31, and CSAH 43 Advanced Traffic Management System for 25 Signals
- 12. Mississippi River Regional Trail Rosemount East
- 13. Minnesota River Greenway Eagan South
- 14. North Creek Greenway CSAH 42 Underpass east of Flagstaff in Apple Valley 15. CSAH 14 (Southview Boulevard) from 14th Avenue to 3rd Avenue in South St. Paul; and

BE IT FURTHER RESOLVED, That, subject to federal funding award, the Dakota County Board of Commissioners would be asked to consider authorization to execute the grant agreement at a future meeting; and

BE IT FURTHER RESOLVED, That the Dakota County Board of Commissioners hereby supports the following submittals by others:

- 16. Apple Valley Transit Station Parking Expansion Lead Agency: Minnesota Valley Transit Authority
- 17. CSAH 73 (Oakdale Ave) Trail from CSAH 14 to CSAH 8 Lead Agency: West St. Paul
- 18. River to River Greenway Robert Street Pedestrian Bridge Lead Agency: West St. Paul
- 19. North Creek Greenway Farmington Gap Lead Agency: Farmington
- 20. Lake Marion Greenway Sunset Park to Murphy Hanrehan Regional Park Lead Agency: Burnsville
- 21. Lake Marion Greenway Ritter Farm Park Connection Lead Agency: Lakeville
- 22. Rosemount Greenway Downtown Rosemount to Lebanon Hills Lead Agency: Rosemount
- 23. Vermillion Highlands Greenway CSAH 42 Underpass at Akron- Lead Agency : Rosemount; and

BE IT FURTHER RESOLVED, That, subject to federal funding award of the city lead projects, the Dakota County Board of Commissioners will provide the local match for regional greenway projects, and for non-greenway projects will provide Dakota County's share of the matching funds consistent with Dakota County transportation cost share policies.

6.2 - RBA.docx

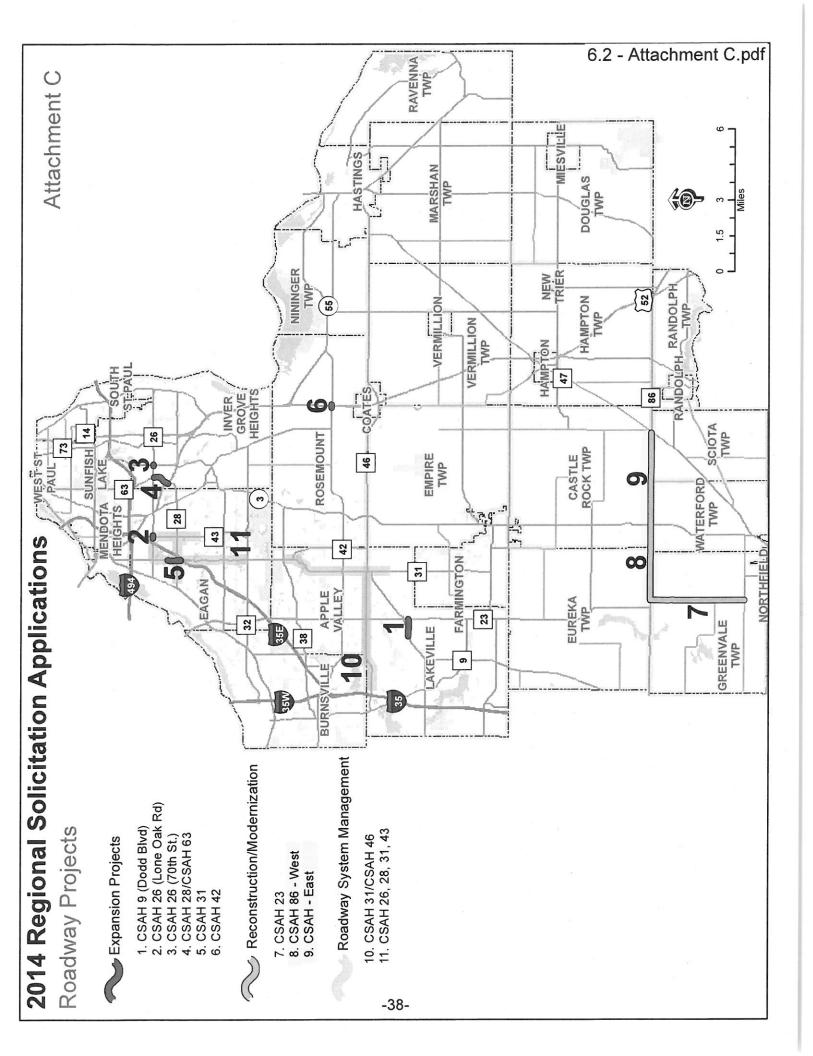
County Manager's Comments:

- Recommend Action
- Do Not Recommend Action
- Reviewed----No Recommendation
- Reviewed----Information Only
- Submitted at Commissioner Request

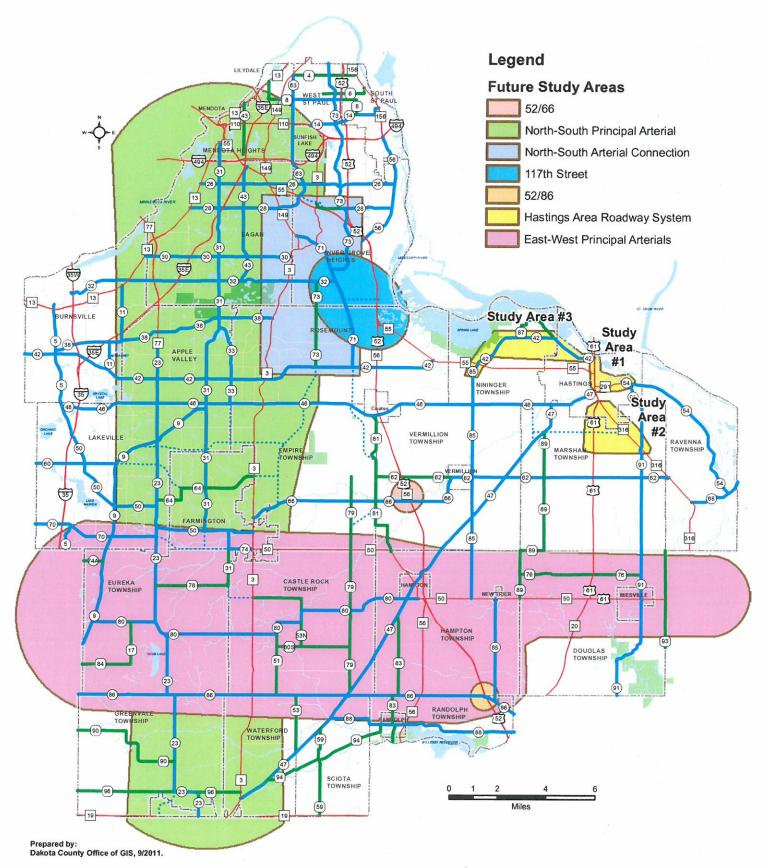
Brandt Richard

County Manager

- Reviewed by (if required):
- County Attorney's Office
- Financial Services
- Risk Management
- Employee Relations
- □ Information Technology
- Facilities Management

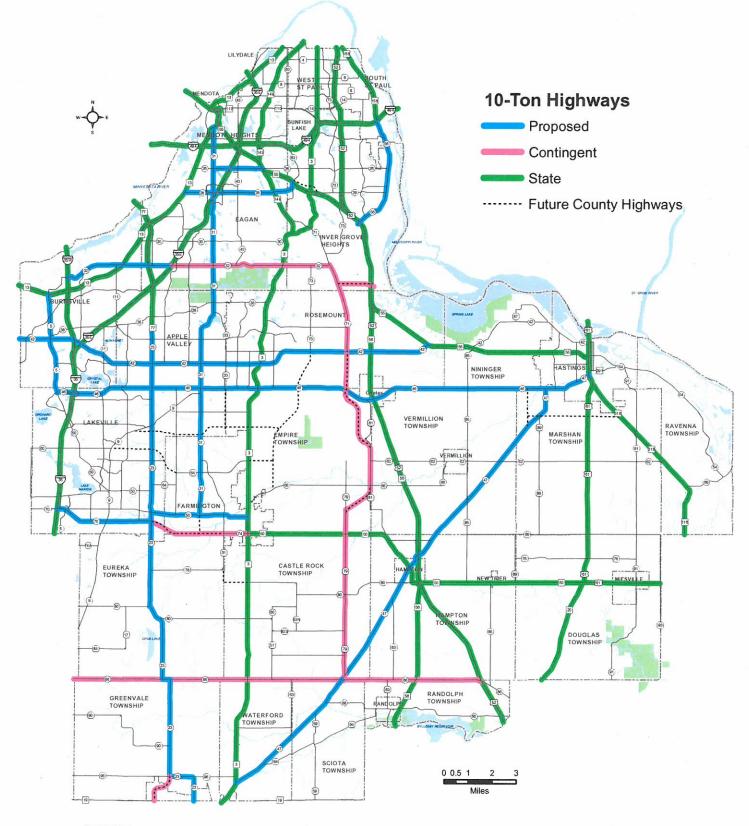


Future Studies



Dakota County 2030 Transportation Plan - Figure 46

10-Ton Highways



Prepared by: Dakota County Office of GIS, 1/2012.

Dakota County 2030 Transportation Plan - Figure 32

Addressing the Issues

The following are potential actions and revisions to the Plan to address these issues.

Gravel Roads Maintenance Costs

The County now uses lime rock in place of gravel for gravel road surfaces. Lime rock has
proven to last longer and can accommodate a greater number of vehicles than gravel
without substantial maintenance needs.

Signal Age and Replacement Needs

 County staff will evaluate alternatives to address County signal system aging issues including full or partial replacements.

Highway Replacement and Reconstruction

The County highway system consists of County State Aid Highways (CSAH) and County Roads (CR). The County will reconstruct highways when they have exceeded their functional lives. The highway useful life is based on the adequacy of structural, operational or functional highway elements. Safety and operational improvements are also incorporated into reconstruction projects when appropriate. Even with proactive preservation, eventually highway replacement becomes the most cost-effective approach and introduces state of the art design,



construction and operation. The County considers the general expected highway life to be 70 years. The current Dakota County highway system age is shown by highway segment in Figure 40.

Highway age will be one factor in considering reconstruction (replacement) needs of the highway. Additional analysis including assessment of safety and the structure of the individual highway segments will be conducted to better determine the actual replacement needs. Future prioritization and timing of projects will still be based on a number of factors per Plan policies.

The following are the estimated annual CIP investments for highway replacement over the plan period including estimated investments for County Roads:

- 2011-2015 = \$5.0 million (\$2.5 million for County Roads)*
- 2016-2020 = \$12.4 million (\$1.1 County Roads)*
- 2021-2030 = \$8.7 million (\$0.2 million for County Roads)*

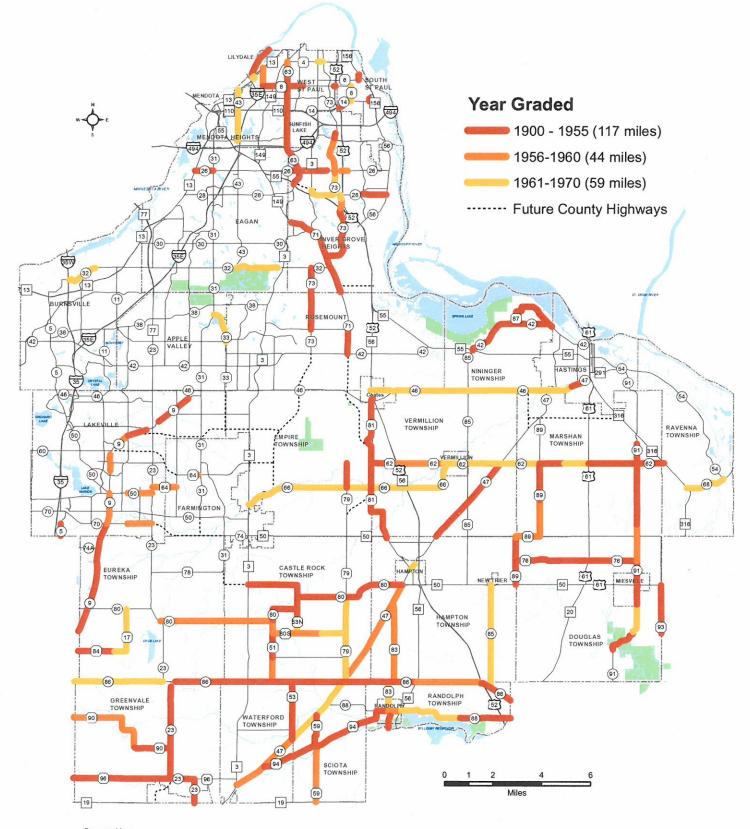
*Figures based on existing information. Additional safety and structural analysis to be completed.

The following *policy* supports replacement and reconstruction of deficient highway elements of the system.

R.1 Highway Replacement

Reconstruct highways or highway elements that have exceeded their useful life based on structural, functional, operational or safety factors.

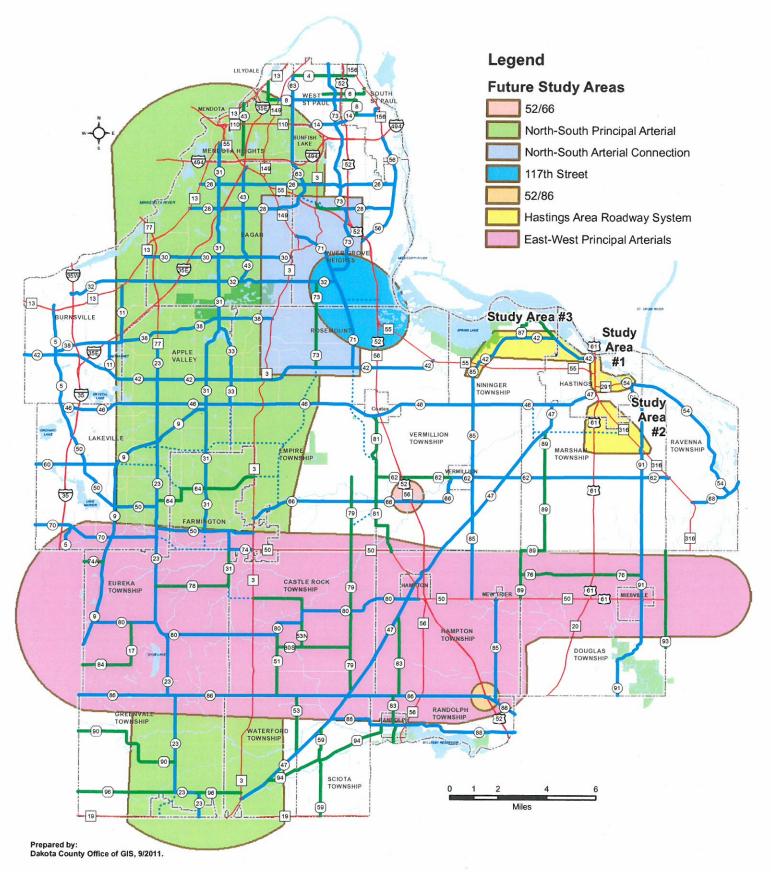
Dakota County Road Age



Prepared by: Dakota County Office of GIS, 1/2012.

Dakota County 2030 Transportation Plan - Figure 39

Future Studies



Dakota County 2030 Transportation Plan - Figure 46

Dakota County

COUNTY ROADWAY



Moving Toward **ZERO** Deaths

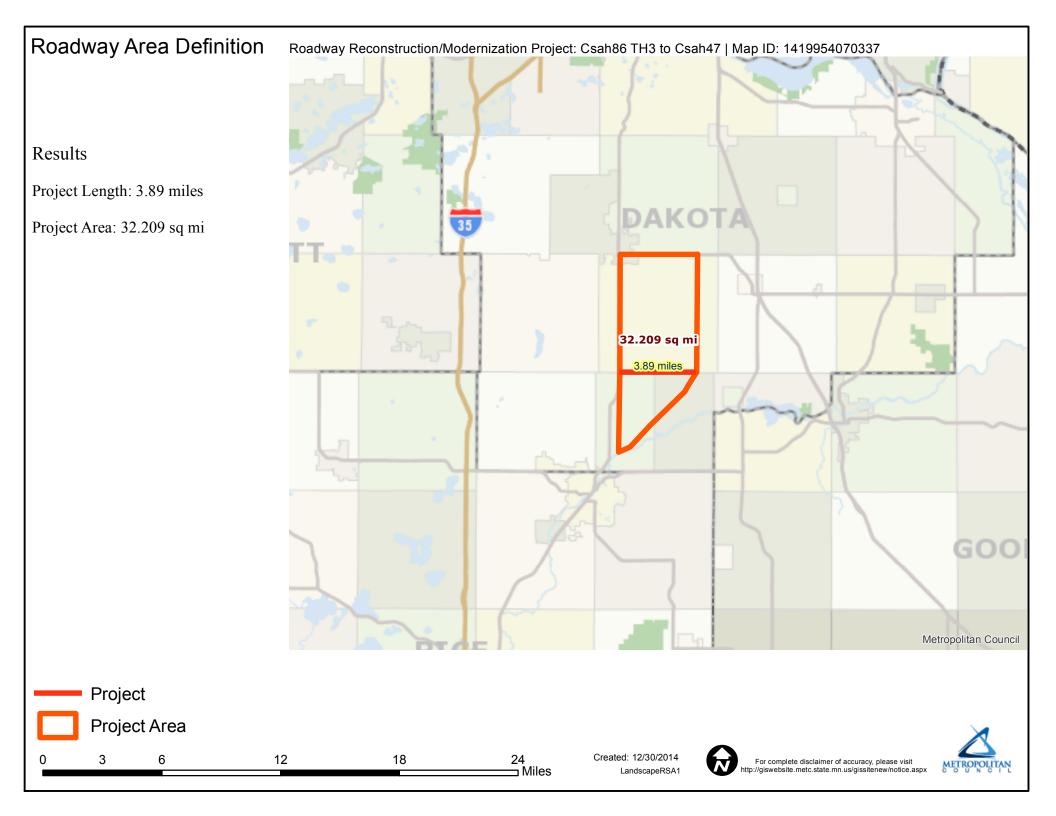
NNESO

Prepared by: CH2M HILL SRF Consulting Group, Inc.

July 2013

CSAH 86 from	CSAH 2	23 (EAS ⁻	T) to CSAH-	47 Proj	ject
Agency: Dakota County					
Roadway Data					
Type: CSAH					Andre 1 of School S
Number: 86					*****
Verbal			n in Ografinger (for 10 50 and	0]}	<u>NEPLESS</u>
Start: CSAH 23 (EAST)		Isnage Heisi		na isan baiyod T	
End: CSAH-47					
City/Rural: Rural County: Dakota					
ATP: Metro					44 S
ADT: 3295					
Facility Type: 2-Lane			A		
Lane Width: 12'					
Speed Limit: 55					
Shoulder Width: 2'					n Niger Augenter Barris
Shoulder Type: Aggregate			//		
Length (miles): 7.1					
Rumble Installed: No					
Frash Data 207-2011 MnCMAT Crash Data	ع Total	5 years	Severe HO/SSO	K+A	
Crashes	31	9	0	1	
Density (per mile per year)	0.87	0.25	0.00	0.03	
Rate (per MVM)	0.73	0.21	0.00	0.02	
Ranking Criteria					
anning Chiena					
	Value	Critical	Road Departure Risk Ranking		
ADT Range	3,295	> 3,000	*		
Lane Departure Density Density Access Density	0.25 18.7	0.55 14.90	*		
Curve Critical Radius Density	0.14	0.32	<u>^</u>		
Edge Risk	2	2 or 3	*		

	montektillettetnin	erasinsia siseria daga			
hort List of Strategies Considered					
Description	Туре	Cost per mi	Mileage	Cost	Notes -
2' Shoulder Pave+RS+Safety Wedge	Proactive	\$40,000	0.0	\$0	
Rumble Strip	Proactive	\$3,000	0.0	\$0 \$24,850	
Rumble StripE 6" Edge Lines	Proactive Proactive	\$3,500 \$650	7.1 0.0	\$24,850 \$0	
Ground In Wet-Reflective Markings	Proactive	\$8,500	0.0	\$ 0	
Center Line Rumble Strip	Proactive	\$3,000	7.1	\$21,300	
4' Buffer w/Centerline Rumble Strips	Proactive Proactive	\$150,000 \$500,000	0.0 0.0	\$0 \$0	
	FIDACUVE	φ500,000	0.0	φ0	
12' Painted Median w/Left Turn Lanes				en an	
	F	ederal Funds	\$41,535		
nplementation Cost			\$41,535 \$4,615		
nplementation Cost	10% of Total		\$4,615		<i>Page:</i> 10
nplementation Cost	10% of Total	l project cost)	\$4,615	S	Page: 10 Segment ID: 86.02 Date: 7/17/2013





Minnesota Department of Transportation Metro District 1500 West County Road B-2 Roseville, MN 5511

November 25, 2014

Brian K. Sorenson, PE Assistant County Engineer Dakota County Transportation Department 14955 Galaxie Avenue Apple Valley, MN 55124

RE: Regional Solicitation Application to Reconstruct CSAH 86 from Hwy 3 to CSAH 47

Dear Mr. Sorenson:

Thank you for requesting a letter of support from MnDOT for the Metropolitan Council's 2014 Regional Solicitation. Your application to reconstruct CSAH 86 from Hwy 3 to CSAH 47 impacts MnDOT right of way on Hwy 3.

As the agency with jurisdiction over Hwy 3, MnDOT supports the application for reconstruction. Details of any future maintenance agreement with the county will be determined during project development.

This project currently has no funding from MnDOT.

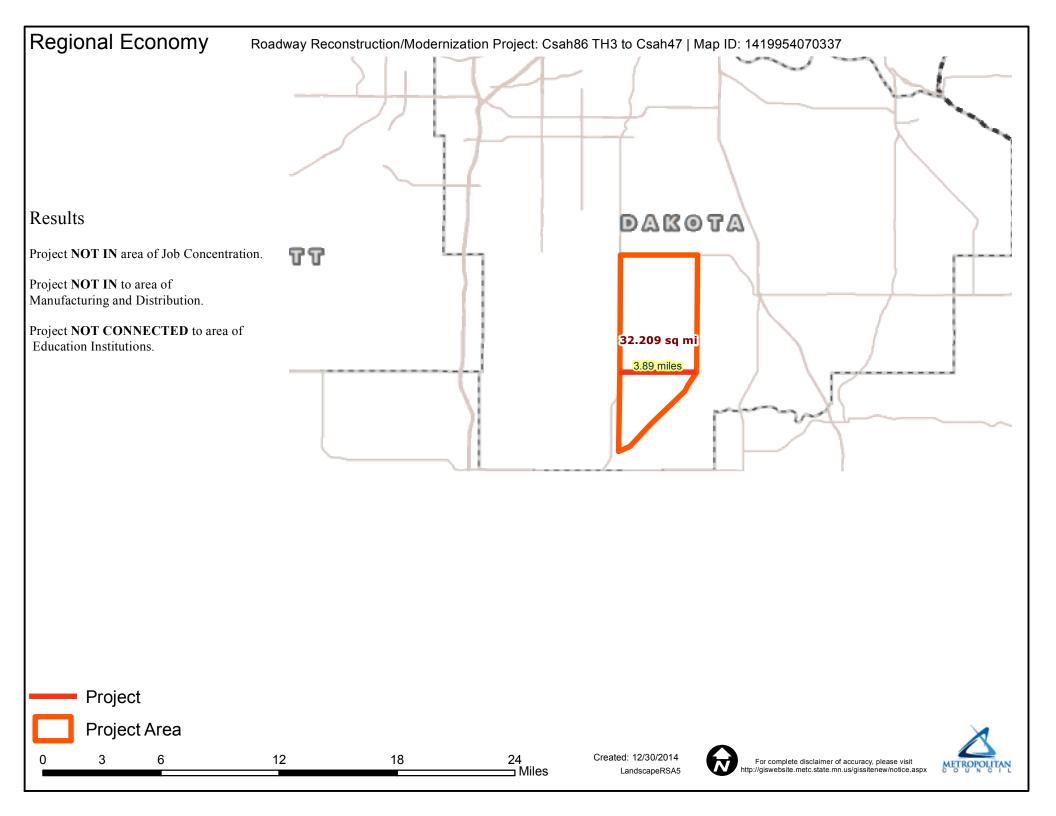
Sincerely,

the Z

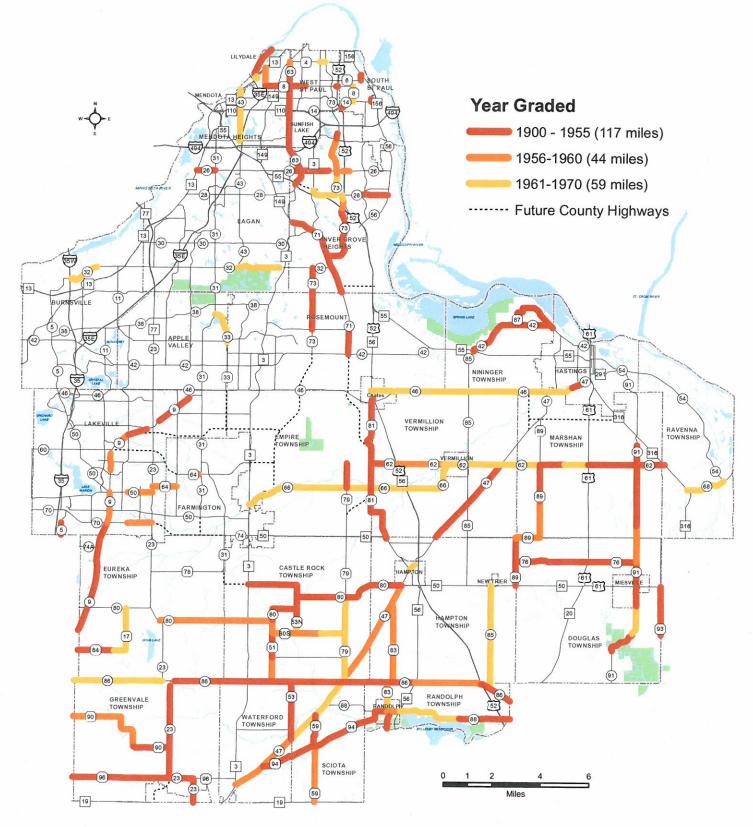
Scott McBride, P.E. Metro District Engineer

Cc: Elaine Koustsoukos, Metropolitan Council Jon Solberg, MnDOT Metro District - South Area Manager





Dakota County Road Age



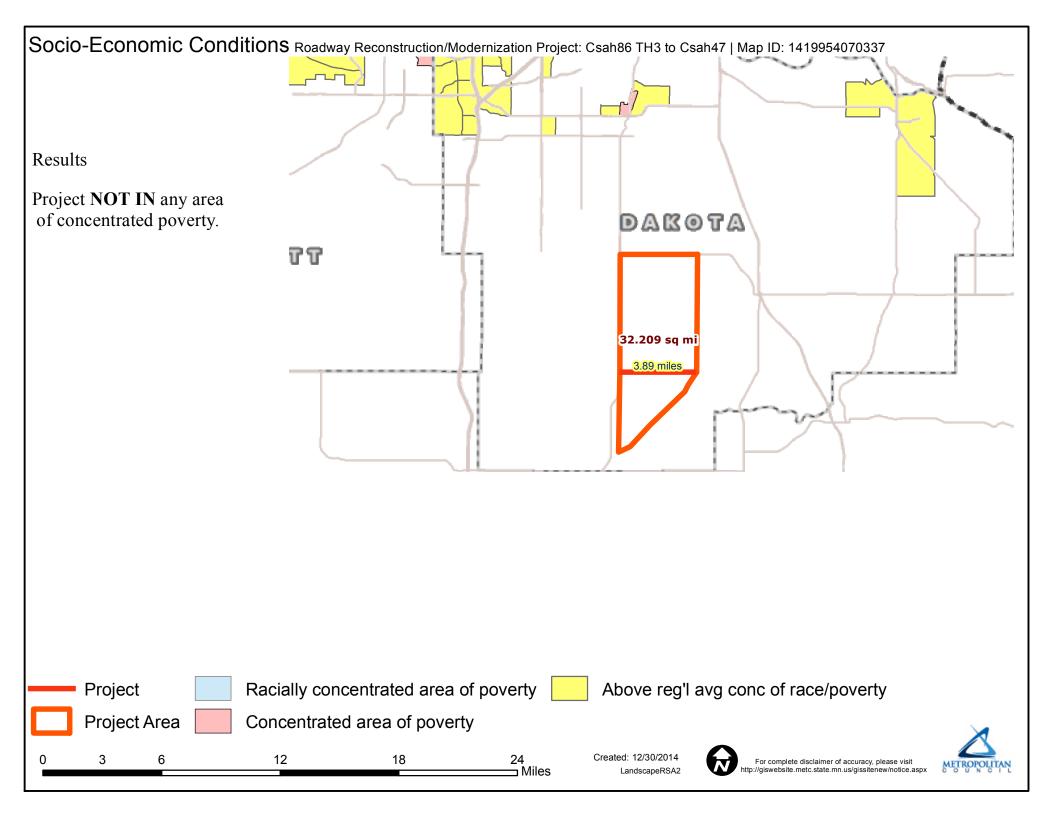
Prepared by: Dakota County Office of GIS, 1/2012.

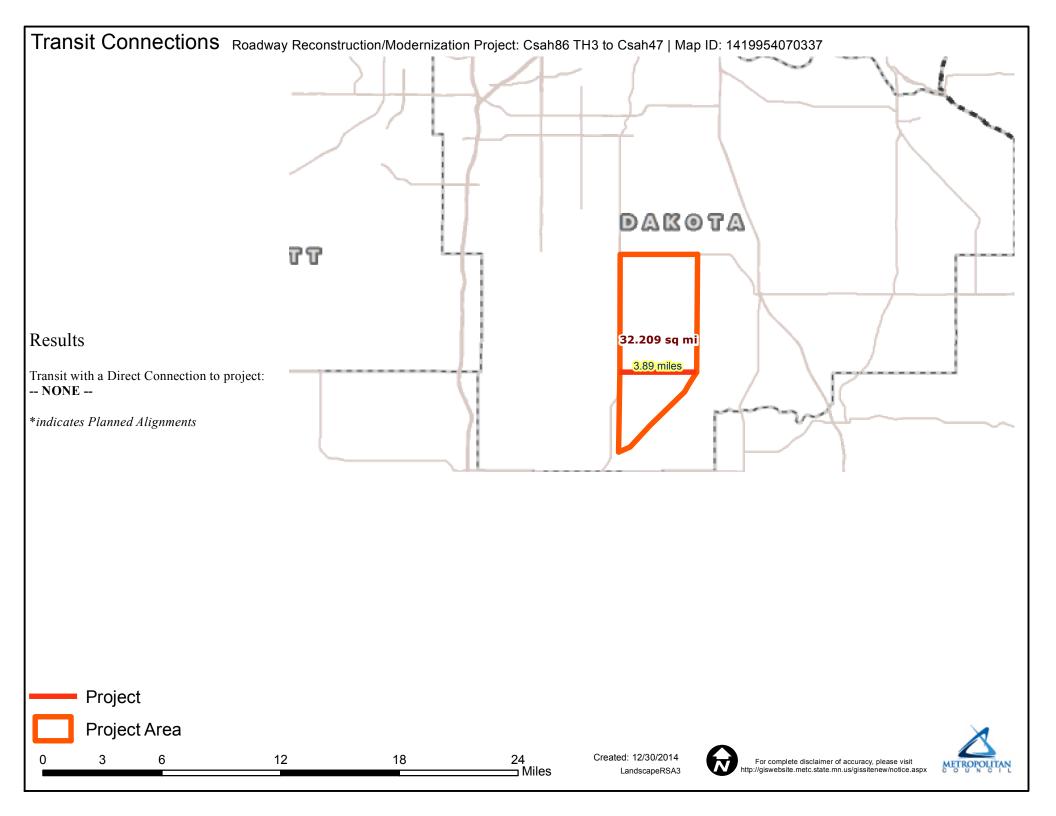
Dakota County 2030 Transportation Plan - Figure 39

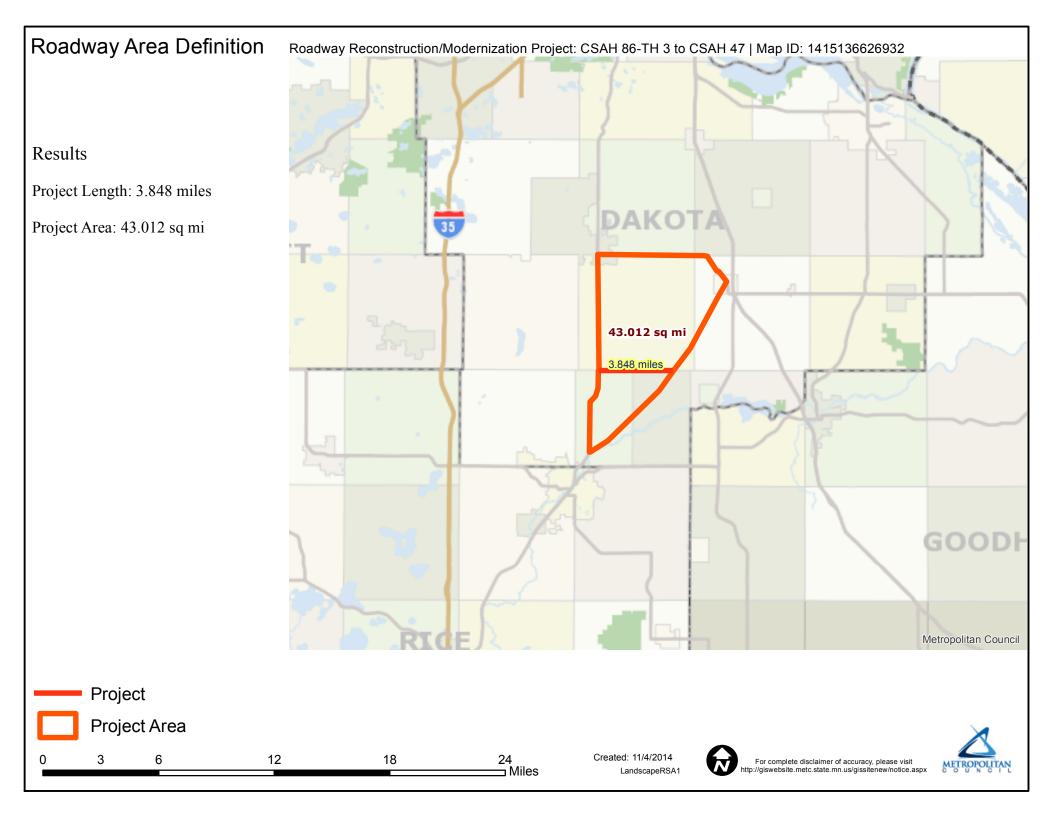
Roadway Reconstruction/Modernization:

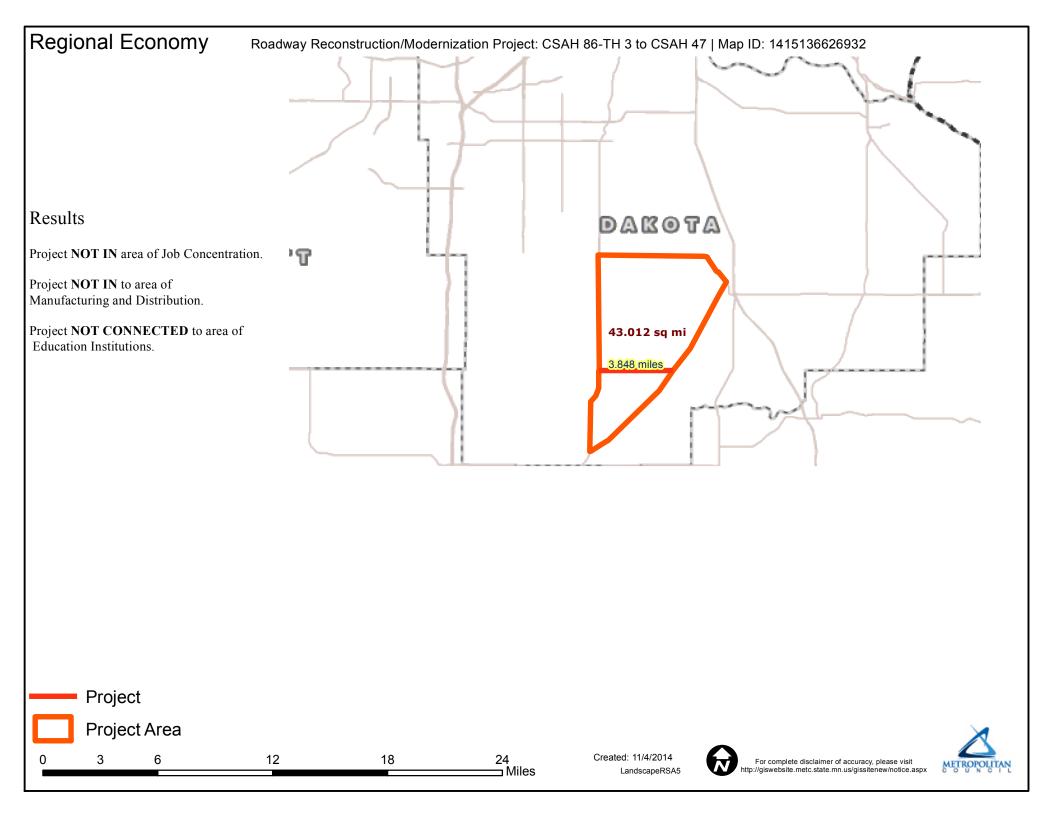
CSAH 86 Project Limits from east intersection of Trunk Highway 3 to CSAH 47 in Castle Rock, Waterford & Sciota Township

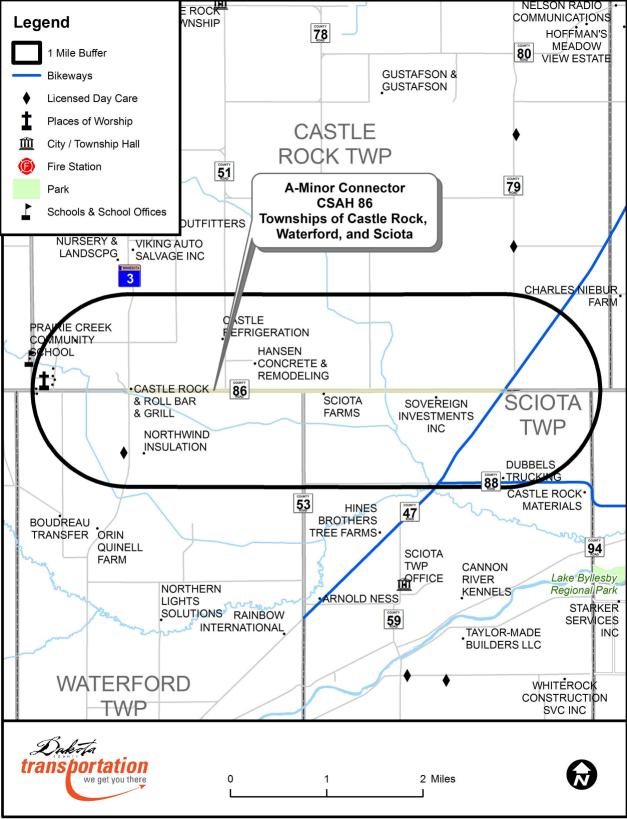


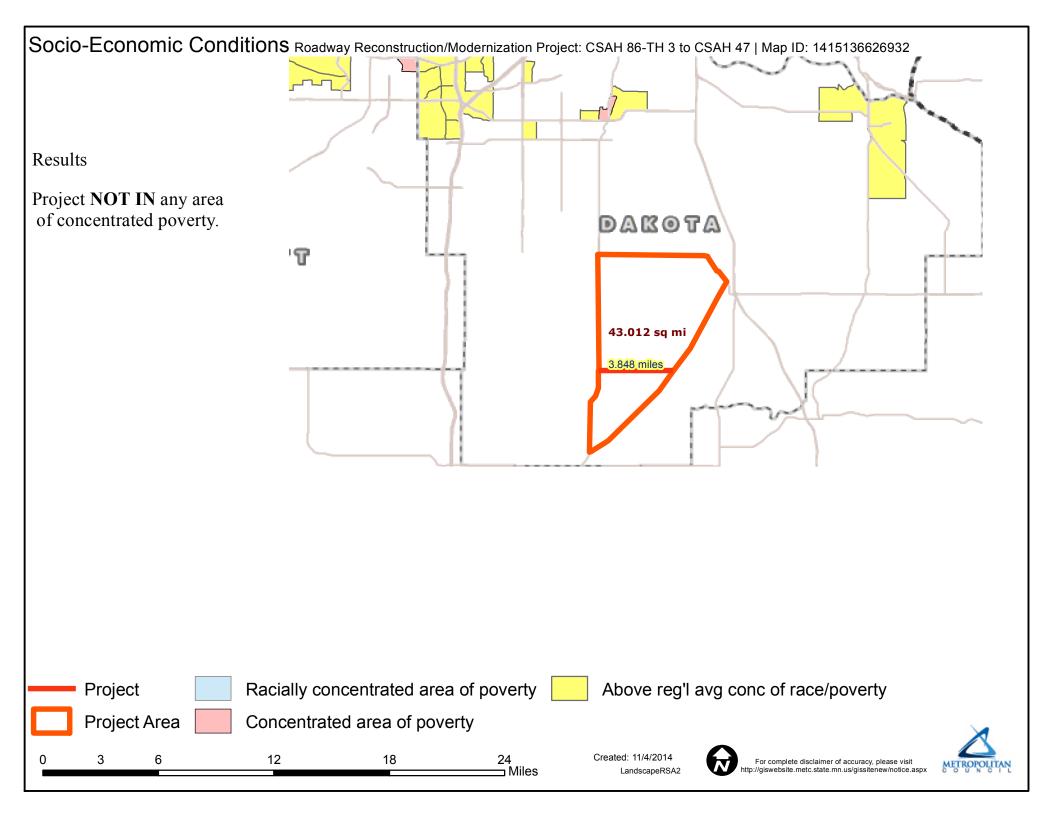












No Synchro or HCM Reports to submit.

No Synchro or HCM Reports to submit.

B /	C	4	Control	Т.Н./					Beginning		Ending	State, County, City or	Study Period	Study Period
works	she	et	Section	Roadway		Locatio			Ref. Pt.		Ref. Pt.	Township	Begins	Ends
			CSAH 86	Along CSAH 8 intersection wit			les to its				Dakota Co.	1/1/2011	12/31/2013	
Description of					TOTAL if all cr	ash reducti	on treatments	factors (see	individual worksl lers along CSAH	neets)	- Install left a	The second s	and the second se	
Accid	lent D	iagram		Work	2	3	rsections, and		4, 7	8,	9		6, 90, 98, 99	
		Codes				_								
	-	1				1						Pedestrian	Other	Total
A STATE	Fatal	F												
	(Id) /	A						1						1
Study	Personal Injury (PI)	B												-
Period: Number of	ersonal							,		-				
Crashes	1.000	C						1		-			1	2
	Property	PD					1			3				4
% Change	Fatal	F												
in Crashes		A					1	-61%						4
	PI	B						0170		-				
*Use FHWA cmfclearingho								100/						
use for Crash Reduction Factors	rty	C						-40%		-			-35%	
Tactors	Property	PD					-40%		-52	%		-		
	Fatal	F												
		A						-0.61						-0.61
Change in Crashes	PI	в								+				
= No. of		c						-0.40		+			-0.35	0.75
crashes X	operty	-				1	1	-0.40		-			-0.35	-0.75
% change in crashes	Prope	PD					-0.40		-1.:	56				-1.96
Year (Safety I	mpro	vement	Constructio	on)	201	7			4					
							Study Period:	Annual						
Project Cont	(0-1	de Di	ht of W		0	Type of	Change in	Change in	Garden		Annual		B/C=	0.35
					\$ 6,875,000		Crashes	Crashes	Cost per Cras		Benefit			
	Right of Way Costs (optional) Fraffic Growth Factor 3%				F	-0.61	-0.20	\$ 10,300,00 \$ 550,00		111,833	Using present worth values, B= <u>\$ 2,395,232</u>			
	I rame Growth Factor 3%				570		-0.01	-0.20			111,853			
Capital Recovery				B			\$ 160,00	0		C= \$ 6,875,000 See "Calculations" sheet for				
1. Discount Rate 4.5%			С	-0.75	-0.25	\$ 81,00	0 \$	20,250						
2. Project S	2. Project Service Life (n) 20				PD	PD -1.96 -0.65 \$ 7,400				4,835				
						Total				\$	136,918			

B/C worksheet		Control Section	No. 1994	Along CSAH 86 f			es to its		Beginning Ref. Pt.	Ending Ref. Pt.	State, County, City or Township Dakota Co.	Study Period Begins	Study Period Ends 12/31/2013		
Description of Proposed Work					Intersection of CSAH 86 and TH 3 - Install left and right turn lanes on CSAH 86										
Accident Diagram 1 Codes					2	3		5	4, 7		8,9	Pedestrian	6, 90, 98, 99 Other	Total	
	Fatal	F													
Study Period: Number of Crashes	Personal Injury (PI)	A B C						1		-				1	
	Property Damage	PD													
% Change	Fatal	F													
in Crashes		A						-61%				-			
<u>*Use FHWA</u> cmfclearingho	PI	B													
use for Crash Reduction Factors	Property Damage	C					li.								
		PD													
	Fatal	F							-						
Change in	PI	A		<u>tida a ka</u>			2	-0.61	-					-0.61	
Crashes		B						- 	\vdash						
= No. of crashes X % change in	Property Damage	C													
			Constructiv	20)	2017				L						
Year (Safety Improvement Construction) Project Cost (exclude Right of Way)			2017 \$ 6,875,000	Type of Crash	Study Period: Change in Crashes	Annual Change in Crashes	Ca	ost per Crash	Annual Benefit		B/C=	0.00			
Right of Way Costs (optional)						F			\$	10,300,000		Using present	worth values	5,	
Traffic Growth Factor 3%				3%	A	-0.61	-0.20	\$	550,000	\$ 111,833	B =		11,833		
Capital Reco	very					В			\$	160,000		C= See "Calculati		-	
1. Discount	Rate				4.5%	С			\$	81,000		amortization.	ons sneer Jo	"	
2. Project S	Servic	e Life	e (n)		20	PD			\$	7,400					
						Total					\$ 111,833				

											State,		
B/C Control T.H. / Section Roadwa				T.H. / Roadway		Location			Ending Ref. Pt.	County, City or Township	Study Period Begins	Study Period Ends	
worksheet			CSAH 86	Along CSAH 86 f	rom TH 3		les to its		Dakota Co.	1/1/2011	12/31/2013		
			Descriptio Proposed		Intersection of CS	AH 86 ar	nd CR 53 - Ins	stall right turn	lane				
Accid	ent Di	agram Codes	1	WOIK	2	3		5	4, 7	8, 9		6, 90, 98, 99	
	-		>			9					Pedestrian	Other	Total
	Fatal	F											
	ry (PI)	A											
Study Period:	Personal Injury (PI)	B					X						
Number of Crashes		с			1							1	1
	Property Damage	PD											
% Change	Fatal P	F											
in Crashes		A											
*Use FHWA	PI	B											5.
cmfclearingho use for Crash		c										-35%	
Reduction Factors	Property Damage	PD											
	Fatal I	F											
		A	<i>84 - 194</i>										
Change in Crashes	Pl	в											
= No. of		с										-0.35	-0.35
crashes X % change in crashes	Property Damage	PD		2 2 2									
Year (Safety I			Constructio	on)	2017			L					
Project Cost	(exch	de Rio	ht of Way)		\$ 6,875,000	Type of Crash	Study Period: Change in Crashes	Annual Change in Crashes	Cost per Cras	Annual h Benefit		B/C=	0.00
Project Cost (exclude Right of Way) Right of Way Costs (optional)			¢ 0,073,000	F	Crushes	Crushes	\$ 10,300,00		Using present	worth value	5.		
Fraffic Growth Factor			3%	A			\$ 550,00		B=		9,450		
Capital Recovery				В			\$ 160,00	00] C=		-		
1. Discount Rate			4.5%	С	-0.35	-0.12	\$ 81,00	0 \$ 9,450	See "Calculat amortization.	ions" sheet fo	or .		
2. Project S	Servio	e Life	e (n)		20	PD			\$ 7,40	0	-		
						Total				\$ 9,450			

		-		-							State,		
B /	1	4									County,	Study	Study
			Control Section	T.H. / Roadway		Locatio	n		Beginning Ref. Pt.	Ending Ref. Pt.	City or Township	Period Begins	Period Ends
worksheet				CSAH 86	Along CSAH 86 intersection with		Dakota Co.	1/1/2011	12/31/2013				
	Description of				Intersection of CS			Install left tu	rn lanes		Dakota Co.	1/1/2011	12/31/2013
Accid	ent D		Proposed	Work	2	13		15	4, 7	8,9		6, 90, 98, 99	
Accident Diagram Codes					-					0, 7		0, 90, 90, 99	
						9					Pedestrian	Other	Total
	Fatal	F											
	y (PI)	A	-										a Branks
Study Period:	Personal Injury (PI)	в											
Number of	ersona							1					
Crashes		C						1					1
	Property	PD					1						1
% Change	Fatal	F											
in Crashes		A											
*Use FHWA	PI	в											
cmfclearingho use for Crash		c			1			-40%					
Reduction Factors	erty age							-4070					
1000 Carlor	Property Damage	PD					-40%						
	Fatal	F			74 1								
		A				1.00							
Change in Crashes	PI	в				dina la constante de							
= No. of		c						-0.40					-0.40
crashes X % change in	oerty aage	PD											
crashes	Prop	PD					-0.40						-0.40
Year (Safety I	mprov	ement	Constructio	on)	2017								
							Study Period:	Annual				Die	0.00
Project Cost	laval	de Di	t of Ward		¢ (075 000	Type of	Change in	Change in	Cost per Crash	Annual		B/C=	0.00
Project Cost (exclude Right of Way) \$ 6,875,000					Crash	Crashes	Crashes	Cost per Crash	Benefit				
Right of Way Costs (optional) Fraffic Growth Factor 3%				F A			\$ 10,300,000 \$ 550,000		Using present worth values, B= \$ 11,787				
Traine Grow					5 /0				\$ 550,000		C = $S = -$		
Capital Recov	Capital Recovery				B			\$ 160,000		C= See "Calculati		r -	
1. Discount Rate 4.5%					С	-0.40	-0.13	\$ 81,000	\$ 10,800	amortization.	1		
2. Project S	Servi	e Life	e (n)		20	PD	-0.40	-0.13	\$ 7,400	\$ 987			
						Total				\$ 11,787			

B/C worksheet		Control Section	T.H. / Roadway		Location				Beginning Ref. Pt.	Ending Ref. Pt.	State, County, City or Township	Study Period Begins	Study Period Ends	
				CSAH 86	Along CSAH 86 f	rom TH 3 CSAH 47	east 3.85 mil	es to its				Dakota Co.	1/1/2011	12/31/2013
Description of Proposed Work					CSAH 86 Segmer	CSAH 86 Segment - widen shoulder and add by-pass lanes at T-intersections								
Accid	Accident Diagram 1 Codes				2	3		5	4, 7		8, 9	6, 90, 98, 99		
						9						Pedestrian	Other	Total
	Fatal	F												
	y (PI)	A												
Study Period: Number of	Personal Injury (PI)	B												
Crashes	Property Damage	C										2		
		PD					- and the staty strengt			3				3
% Change in Crashes	Fatal	F												
	PI	A												
<u>*Use FHWA</u> cmfclearingho use for Crash		B												
Reduction Factors	Property Damage									-52%				
	Fatal	F	,											
		A												
Change in Crashes	PI	B	a ana araa											
= No. of crashes X	> 0	С									-			
% change in crashes	Property Damage	PD								-1.56				-1.56
Year (Safety I	mprov	ement	Constructio	en)	2017		C . 1							
Project Cost	(exclu	de Rig	ght of Way)		\$ 6,875,000	Type of Crash	Study Period: Change in Crashes	Annual Change in Crashes	Cos	st per Crash	Annual Benefit		B/C=	0.00
Right of Way						F			\$	10,300,000		Using present	worth values	<i>r</i>
Traffic Growth Factor				3%	A			\$	550,000		B=		3,848	
Capital Recovery					В			\$	160,000		C= See "Calculati		-	
1. Discount Rate			4.5%	C			\$	81,000	- 167 - 18 1 - 168 - 16	amortization.	ons sneet fo			
2. Project Service Life (n)				20	PD	-1.56	-0.52	\$	7,400	\$3,848				
					-	Total					\$ 3,848			

r.	Crash	Present Worth	Present Worth
Year	Benefits	Benefits	Costs
2017	\$ 136,918	\$ 136,918	\$ 6,875,000
2018	\$ 141,026	\$ 134,953	
2019	\$ 145,256	\$ 133,016	
2020	\$ 149,614	\$ 131,106	
2021	\$ 154,102	\$ 129,224	
2022	\$ 154,102 \$ 158,725 \$ 163,487 \$ 168,392 \$ 173,444 \$ 178,647	\$ 127,369	
2023	\$ 163,487	\$ 125,541	
2024	\$ 168,392	\$ 123,739	
2025	\$ 173,444	\$ 121,963	
2026	\$ 178,647	\$ 120,212	
2027	\$ 184,006	\$ 118,487	2
2028	\$ 189,527	\$ 116,786	
2029	\$ 195,212	\$ 115,110	2
2030	\$ 201,069	\$ 113,457	5 ¹⁰
2031	\$ 207,101	\$ 111,829	
2032	\$ 213,314	\$ 110,224	
2033	\$ 219,713	\$ 108,641	
2034	\$ 226,305	\$ 107,082	
2035	\$ 233,094	\$ 105,545	
2036	\$ 240,087 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 104,030	
0	\$ -	\$ -	
0	\$ -	\$ -	
0	\$ -	\$ -	
0	\$ -	\$ -	
0	\$ -	\$ -	
0	\$ -	\$ -	
0	\$ -	\$ -	15
0	\$-	\$-	
0	\$-	\$-	
0	\$-	\$-	
0	\$-	\$-	
	Totals =	\$ 2,395,232 (B)	\$ 6,875,000 (C)

Amortizing...

year (n)= 1, 2, 3,.... discount rate (i) = 7%

> Crash Benefits ((@ year n)) = (Crash Benefits)_{n-1} X (1 + Traffic Growth Factor)

Present Worth Benefits (@ year n) = (Crash Benefits)_n $X 1/(1 + Discount Rate)^n$

